

SERVICE MANUAL

ELECTRONIC CASH REGISTER

SE-S300/S2000

SE-C300/C2000

TE-900/1500

TK-950/1550

**PCR-T48S/T470/T480/T470L/T480L/
T220S/T2100/T2200/T2100L/T2200L**

(EX-292/EX-293/EX-592/EX-593)

FEB. 2008



SE-S2000M

CASIO®

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1. SPECIFICATIONS

1-1. Electrical specifications

• Power consumption	In operation	Max.	120 V	230 V	240 V
	Display off	Max.	0.4 A 0.05 A	0.26 A 0.04 A	0.26 A 0.04 A
• Memory protection	Back-up battery Back-up period Battery life	Two new size AA alkaline batteries 1 year (25 °C) Replace the battery every 1 year.			
• Clock & Calendar	Accuracy Auto calendar	Within ± 30 sec. per month (25 °C) Effective until 2099 A.D.			

1-2. Environmental specifications

• Operating temperature	0 °C ~ 40 °C
• Operating humidity	10 % ~ 90 %
• Storage temperature	-25 °C ~ 65 °C
• Storage humidity	10 % ~ 95 %
• Drop Durability	Durable through dropping one end of the unit from 3 cm in height.

1-3. Main components

• CPU	Name Number of control bit	uPD70F3733GJ-UEN-A 32 bit
• SRAM	Name Capacity	CY62146EV30LL-45ZSXIT 4 Mbit
• FROM	Name Capacity	S29JL032H70TFI020 32 Mbit
• Thermal printer	Name Print method Head specification Total dot number Dot pitch Paper supply method Print wide Roll diam Type	FTP-628MCL518 (Receipt) FTP-628MCL518 (Journal) Thermal dot line printing 384 dots/dot line Lenght 8 dots/mm Wide 8 dots/mm 57.5 ± 0.5 mm Heat-sensitive paper
• Roll paper	Type Size Roll diam Thickness	Heat-sensitive paper 57.5 ± 0.5 mm Φ 80 mm or less 0.06 ~ 0.85 mm

1-4. Drawer List

Type	Drawer Name	Specification	Europe	UK	U.S.A.	Canada	Others
SE-S300							
S	DL-1842	D-21K2C-D53RM-17*	○				○
M	DL-2800	D-24K2C-B84RM-9*	○	○			○
SE-S2000							
M	DL-2800	D-24K2C-B84RM-9*					○
M	DL-2803	D-24K2C-B84SRM-9*	○	○			
SE-C300							
M	DL-2806	D-24K2C-B84SRM-4*	○	○			
M	DL-2807	D-24K2C-B84RM-4*					○
SE-C2000							
M	DL-2806	D-24K2C-B84SRM-4*	○	○			
M	DL-2807	D-24K2C-B84RM-4*					○
TE-900							
S	DL-1332	D-21K2C-D54RM-4*			○		
TE-1500							
M	DL-2433	D-24K2C-B55SRM-4*			○		
TK-950							
S	DL-1332	D-21K2C-D54RM-4*			○		
TK-1550							
M	DL-2433	D-24K2C-B55SRM-4*			○		
PCR-T48S							
S	DL-1332	D-21K2C-D54RM-4*			○		
PCR-T220S							
M	DL-2433	D-24K2C-B55SRM-4*			○		
PCR-T470							
S	DL-1332	D-21K2C-D54RM-4*			○		
PCR-T470L							
M	DL-2802	D-24K2C-A84RM-4*				○	
PCR-T480							
S	DL-1331	D-21K2C-D54RM-17*			○		
PCR-T480L							
M	DL-2801	D-24K2C-A84RM-9*				○	
PCR-T2100							
M	DL-2433	D-24K2C-B55SRM-4*			○		
PCR-T2100L							
M	DL-2805	D-24K2C-A84SRM-4*				○	
PCR-T2200							
M	DL-2432	D-24K2C-B55SRM-9*			○		
PCR-T2200L							
M	DL-2804	D-24K2C-A84SRM-9*				○	

1-5. Option List

DEVICE NAME	MODEL	NOTE	Applicable
Roll paper	TRP-5880T		Common
Waterproof cover	WT-89		SE-S300/S2000, TE-900/1500, PCR series
Waterproof cover	WT-90		SE-C300/C2000, TK-950/1550
Sheet cover	WT-91		SE-C300/C2000, TK-950/1550
PC cable	PRL-CB-2		Common
External memory	RAC-12B	4MB (Thermal pop)	Common
External memory	RAC-14B	16MB (Electronic journal)	Common

CAUTION
RISK OF EXPLOSION IF BATTERY IS REPLACED
BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING
TO THE INSTRUCTIONS

2.Initialization

Initializing the cash register

• Automatic initialization

Use the following procedure to initialize the cash register before using it for first time after you purchase it.

1. Install the two memory backup batteries (see page 10 of the User's Manual).
 2. Plug the cash register into a wall outlet.
- At this time, "00000000" appears on the display and the printer operates for a minute. Initialization is complete when the Printer stops operating.

CAUTION!

Automatic initialization (which clears all sales and programming data stored in the register's memory) is performed whenever all power (both the backup batteries and power through power cord) is cut from the cash register and then restored. The program data stored in the flash memory is restored.

Remember...

Main power cut by:

- Unplugging the cash register
- Power failure

+

Backup power cut off by:

- Removing the batteries
- Dead or low batteries

+

Automatic initialization when the main power is restored and the mode switch is set to any position besides OFF.

• Manual initialization

Use the following procedure to initialize the cash register and clear all transaction data and program data from its memory.

1. Insert the mode key marked "PGM" into the mode switch.
2. Turn the mode switch to the OFF position.
3. **SE-S300/SE-C300:**

While holding down the **FEED** key, turn the mode switch to the PGM position.

SE-S2000/SE-C2000:

While holding down the **JOURNAL FEED** key, turn the mode switch to the PGM position.

4. **SE-S300/SE-C300:**

Release the **FEED** key.

SE-S2000/SE-C2000:

Release the **JOURNAL FEED** key.

5. Enter **A** **B** **0** **0** and press the **SUB TOTAL** key.

A. Language selection

This specification defines the language to use for the date in receipt/journal printing.

English ⇒ **0**
French ⇒ **1**
Spanish ⇒ **2**
German ⇒ **4**

B. Area / monetary mode

This specification defines the area and the decimal position.

U.S. ⇒ **2**
Canada ⇒ **9**
German ⇒ **4**
Two decimal place ⇒ **1**
No decimal place ⇒ **3**

C. Department number

This specification defines the number of department keys.

Always ⇒

SE-S300 **2** **5**
SE-C300/
SE-C2000 **7** **2**
SE-S2000 **3** **0**

Clearing a machine lock up


If you make a mistake in operation, the cash register may lock up to avoid damage to programs and preset data.

Should it happens, you can use the following procedure to clear the lock up without losing any data.


1. Power off the register.

2. Insert the PGM key in the mode switch.

3. **SE-S300/SE-C300:**

Press down and hold , and turn the mode switch to PGM mode.

SE-S2000/SE-C2000:


Press down and hold , and turn the mode switch to PGM mode.

4. **SE-S300/SE-C300:**

The display shows INIT (on alpha-display), then release .

SE-S2000/SE-C2000:

The display shows INIT (on alpha-display), then release .

5. Press . A receipt is issued.

2.Initialization

Load IPL data

- When you replace a main PCB with a spare parts, load the IPL data to ECR as the following steps;

1. Required materials

RS232C cross cable which is using CV10

Memory pack RAC-12B

RAC_TOOL software

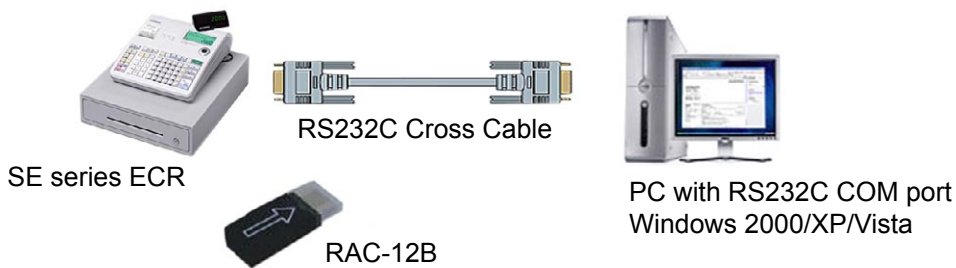
IPL data file

*Please contact CASIO sales division to get the above materials.

PC with RS232C COM port

Windows 2000 / XP / Vista

2. System configuration



3. Steps to load IPL data

3-1. Write the IPL data to the RAC-12B from the PC. (Make a special RAC for IPL.)

- 1) Remove power cord of ECR from AC outlet.
- 2) Connect the ECR (COM1 port) and PC with the RS232C cross cable.



- 3) Insert RAC-12B in to the ECR.

- 4) Plug in the power cord of ECR to the AC outlet and start up the diag software. (See Page 18)

5. DIAGNOSTIC OPERATION

5-1. To start the diagnostic program

1. First, be sure that MODE KEY is "OFF". While holding down the "JFEED" button, turn MODE KEY to "POM". When the "JFEED" button is released, the main display indicates as illustrated below.



2. Enter "99990000" and then press the "SUB TOTAL" button.



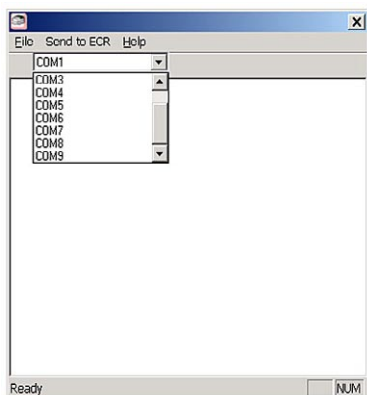
3. After DIAG version is printed out, DIAG mode starts.



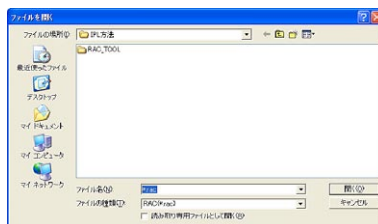
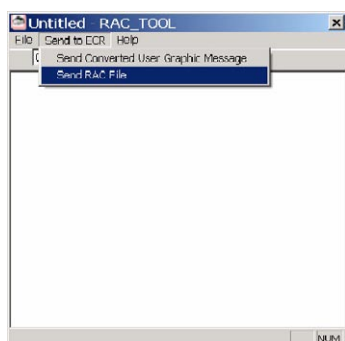
- 5) Make double-click RAC_TOOL.exe to run the software.

* RAC_TOOL.exe, FILE969.HAD, and LogoConv.dll (3 files) must be stored at same folder.

- 6) Select the appropriate COM port according to your configuration.



- 7) Select "Send RAC File" and choose the IPL file. The file name should be XXX.rac. (Do not send now)

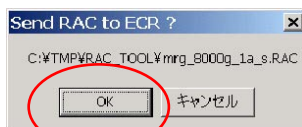


- 8) Make sure the ECR is in the diag mode, then enter 914 and press "Sub Total" key.

- 9) The ECR will display "CLEARING RAC" and number will be counted up until 63.

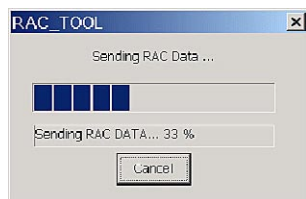
- 10) The display will be changed to "WAITING RAC".

When the display is changed to "WAITING RAC", start sending the file on PC within 30 second.



- 11) The ECR will display "WRITING RAC" and counter will be displayed every 64Kbytes data are received.

- 12) The following transmission progress will be shown on the PC.



- 13) The following receipt will be issued when all the data has been received.

(ECR will be terminated automatically if data is not receiving 5 second or more)

RAC	9 1 4
RAC I P L	OK
END	9 1 4

This process will take approximately 20 minutes to send IPL data to the RAC-12B.

* Please keep the special RAC memory pack for IPL, otherwise you need to do the above process again.

3-2. Send the IPL data from RAC to ECR.

- 1) Pull out AC cord from wall outlet.
- 2) Insert the RAC-12B which has the IPL data to the ECR.
- 3) Press and hold "Journal" feed key and plug in AC cord to the wall outlet.
- 4) Wait few second and release Journal feed key.
"BT-INIT" should be displayed on the ECR.
- 5) Enter 44449999 and press "Sub Total" key, then enter 30 and press "Sub Total" key.
- 6) Back light will be turned off and start loading IPL data from RAC.
- 7) When the loading is completed, "INIT 0000000000" will be displayed.
- 8) Enter 99990000 and press "Sub Total" key, then "DIAG 1" will be displayed.
- 9) Enter your locale code and press "Sub Total" key, then locale code will be printed.

* Locale code is as follows;

Europe: No need to enter the locale code. Skip 8) - 11), go to 12).

U.S.A. and Canada: 200016

Others: 600016

- 10) Turn the MODE KEY is "OFF". Then while holding down the "JFEED" button, turn MODE KEY to "PGM".
- 11) Release "JFEED" button, then "INIT 0000000000" will be displayed.
- 12) Enter your INIT code and press "Sub Total" key, then the information will be printed.

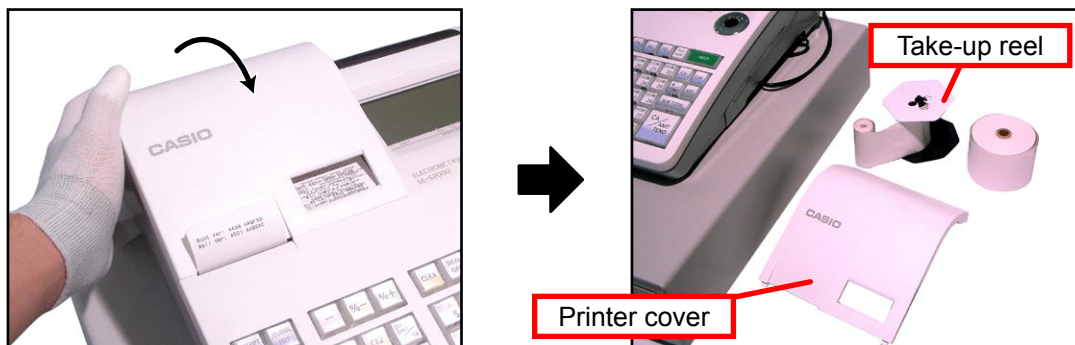
* INIT code is as follows;

Model Name	INIT Code
SE-C300 / SE-C2000	17200
SE-S2000	13040
SE-S300	12540
TE-1500	23040
TE-900	22540
TK-950 / TK-1550	27200
PCR-T2100 / PCR-T2200 / PCR-T220S	23000
PCR-T2100L / PCR-T2200L	93000
PCR-T470 / PCR-T480 / PCR-T48S	22500
PCR-T470L / PCR-T480L	92500

3. DISASSEMBLY

■ Removing the upper case block

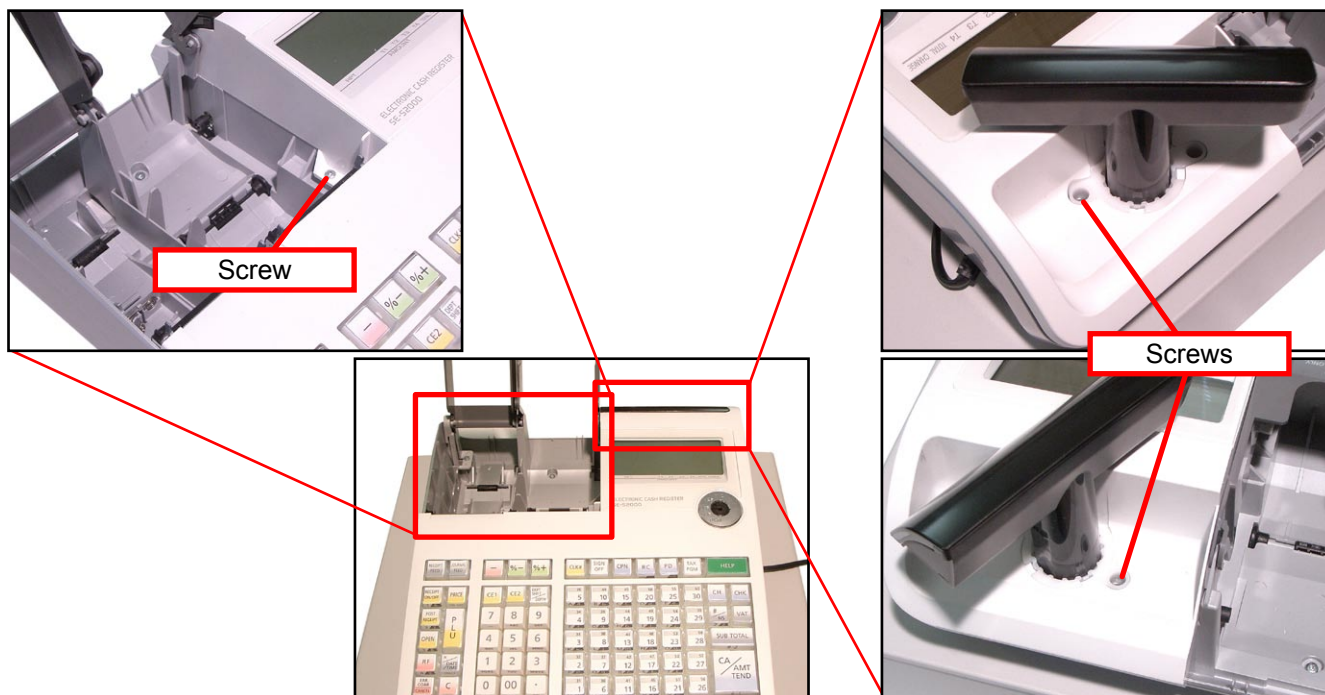
1. Remove the Printer cover.
2. Remove two Roll paper and the Take-up reel.



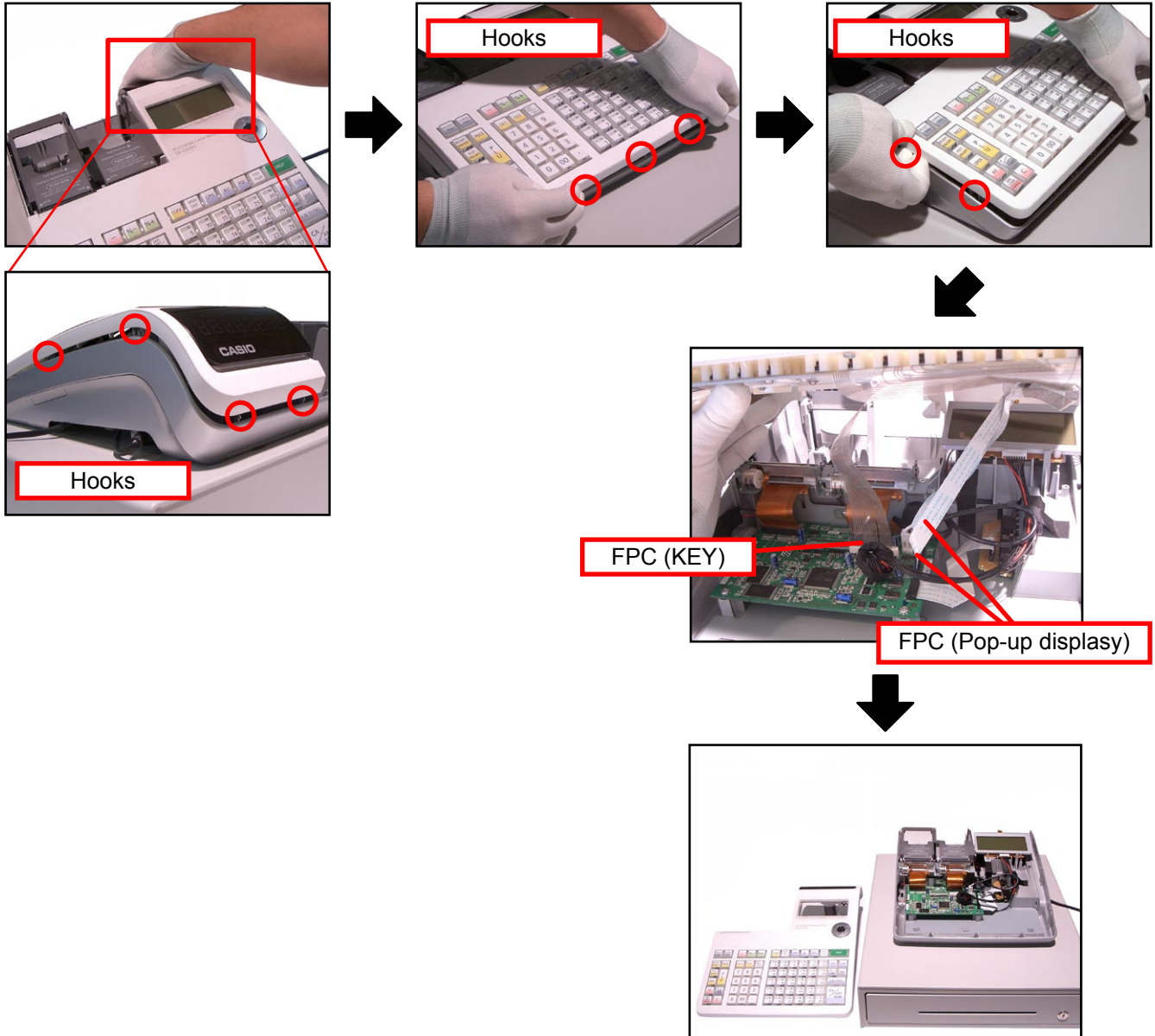
3. Remove the battery cover and disengage the battery.



4. Remove 3 screws.

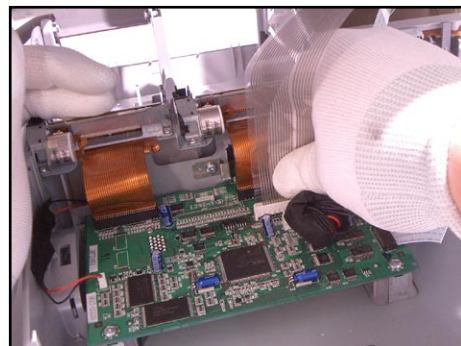
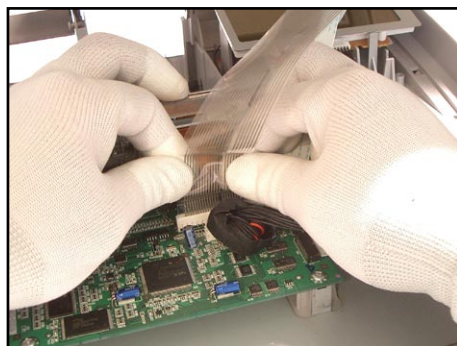


5. Lift the upper case block and then remove 3 FPCs.



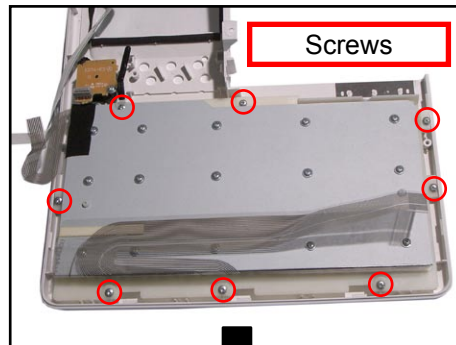
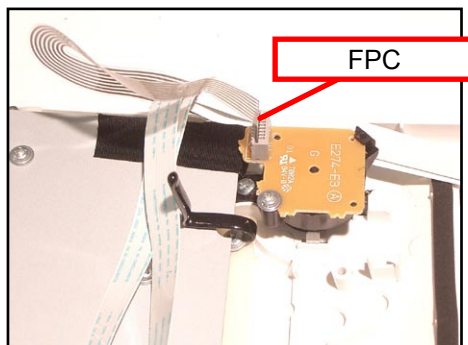
Assembling Point:

Be sure to insert the FPC securely by holding it with both hands or, if holding it with one hand, holding by its center.

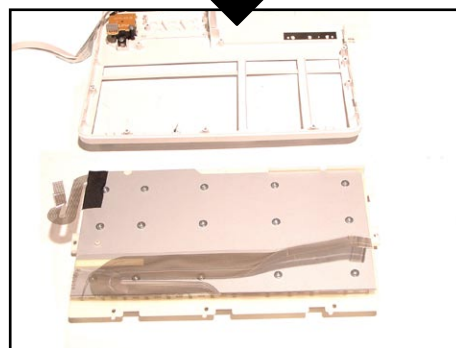


■ Upper case block disassembly
(KEY BOARD ASS'Y, MODE SW ASS'Y, POP-UP DISPLAY BLOCK)

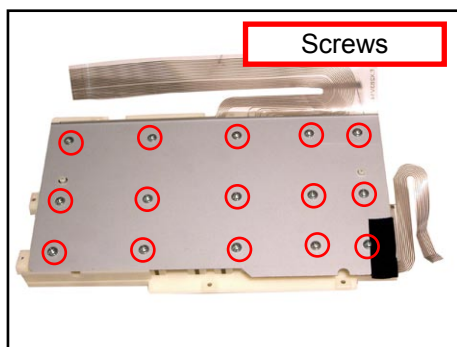
1. Remove the FPC.
2. Remove 8 screws and then the KEY BOARD ASS'Y.



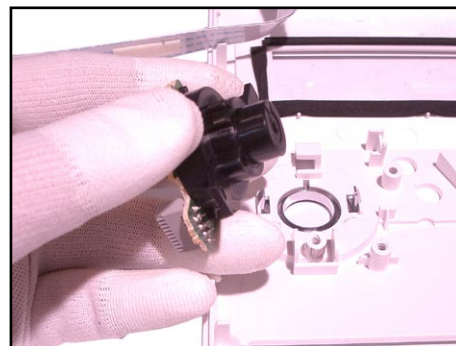
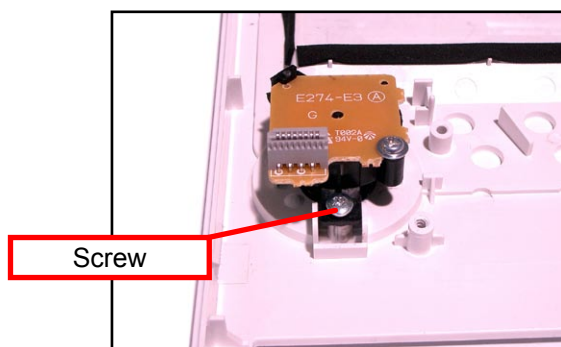
Assembling Point:
Secure the FPC (Mode key, Pop-up Display).



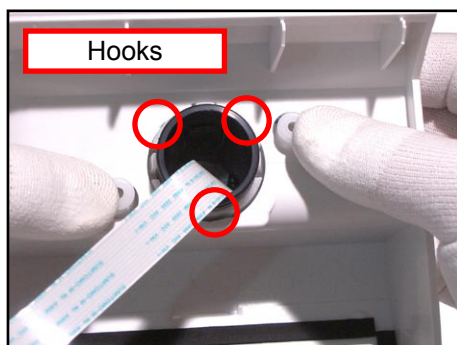
3. Remove 15 screws and then disassemble the KEY BOARD ASS'Y.



4. Remove the screw and then the MODE SW ASS'Y.



5. Remove the hook and then remove the STROBE ASSY



6. Remove the hook and then remove the STROBE ASSY.

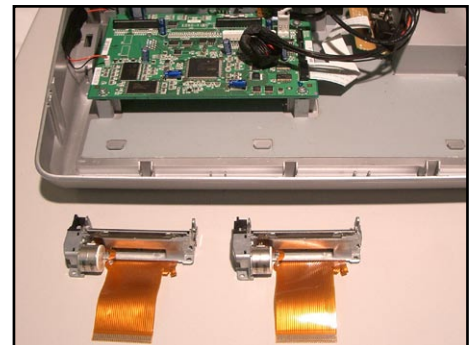
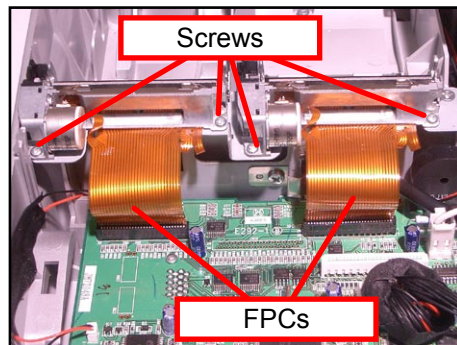


7. Remove two FPCs and then remove the Rear Display Board.

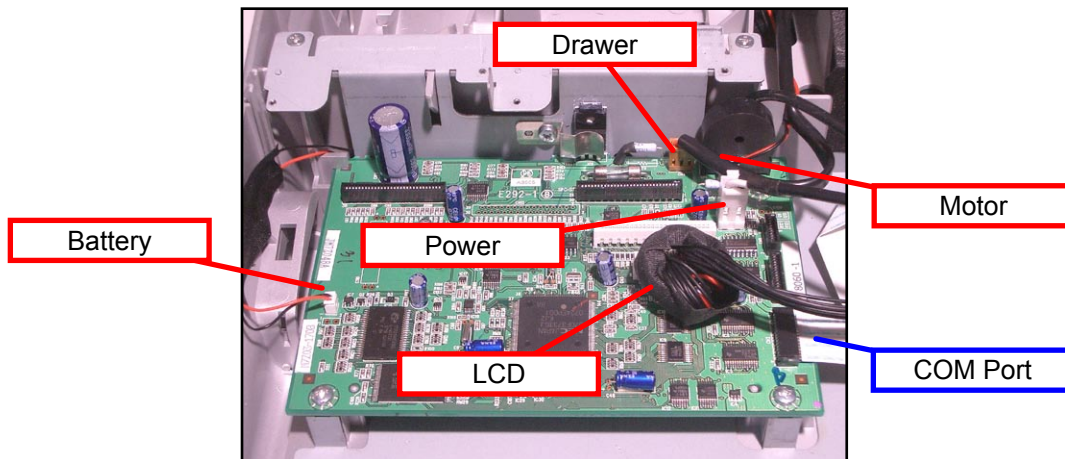


■ Lower case block disassembly (Printer unit, MAIN PCB, LCD unit, E292-COM PCB)

1. Remove 4 screws.
2. Remove 2 FPCs and then 2 Printer units.

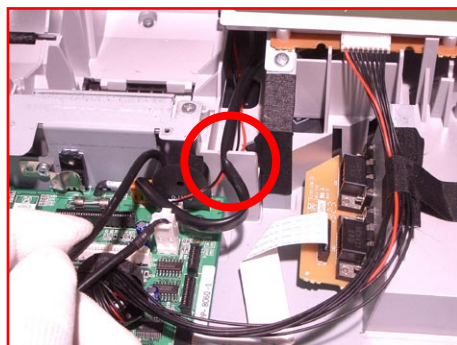


3. Remove the FPC and 5 connectors.

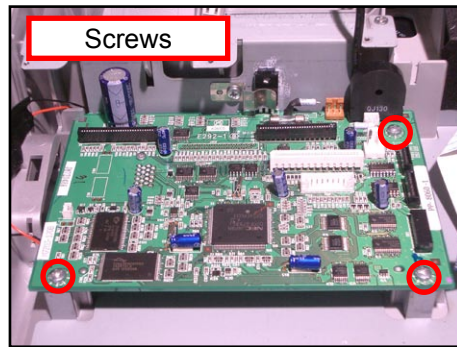


Assembling Point:

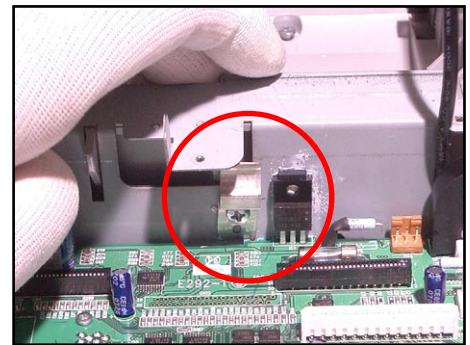
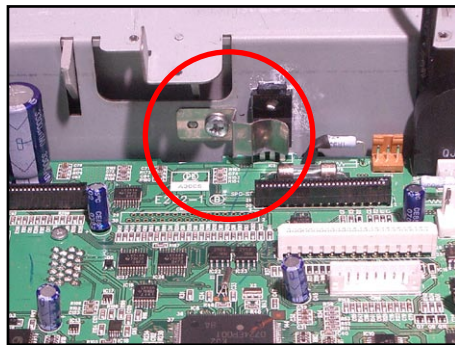
Run the power cable and the motor wires through the groove on the case.



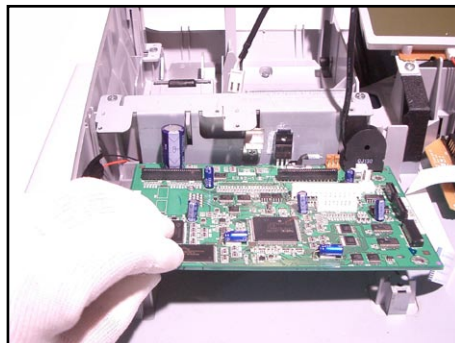
4. Remove 3 screws.



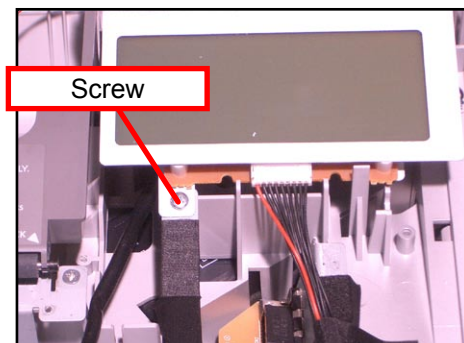
5. Loosen the screw and change the orientation of the plate.



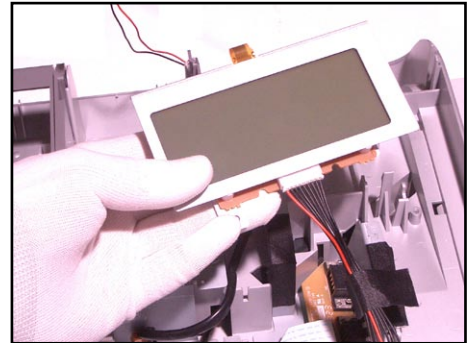
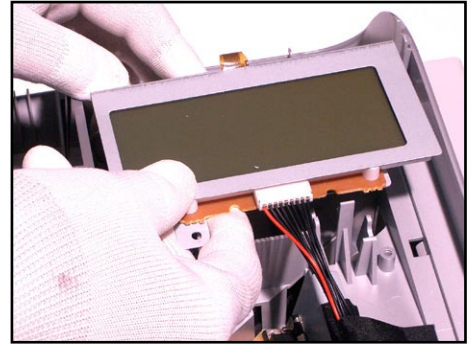
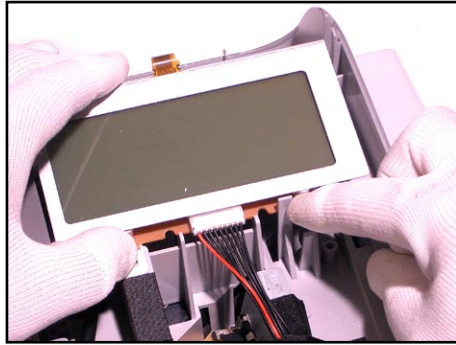
6. Remove the main PCB.



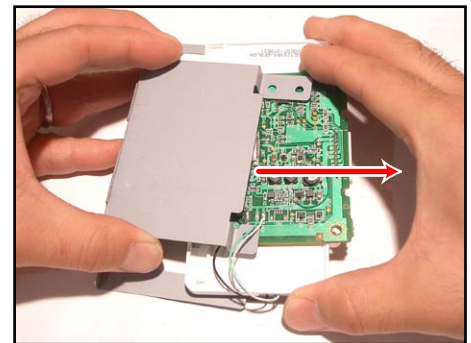
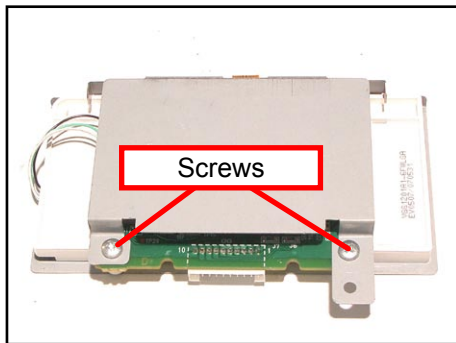
7. Remove a screw.



8. Remove the hook and then remove the LCD ASSY.

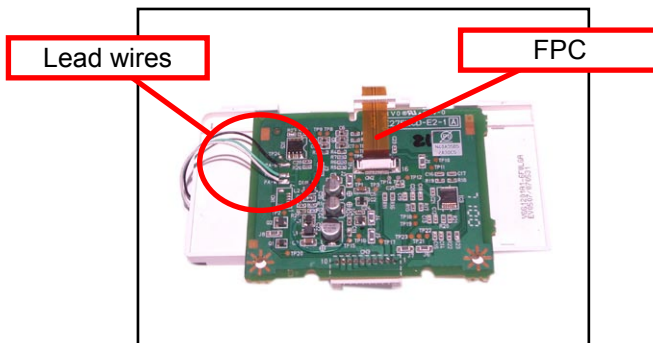


9. Remove 2 screws and then the LCD and E292LCD-E2 PCB.

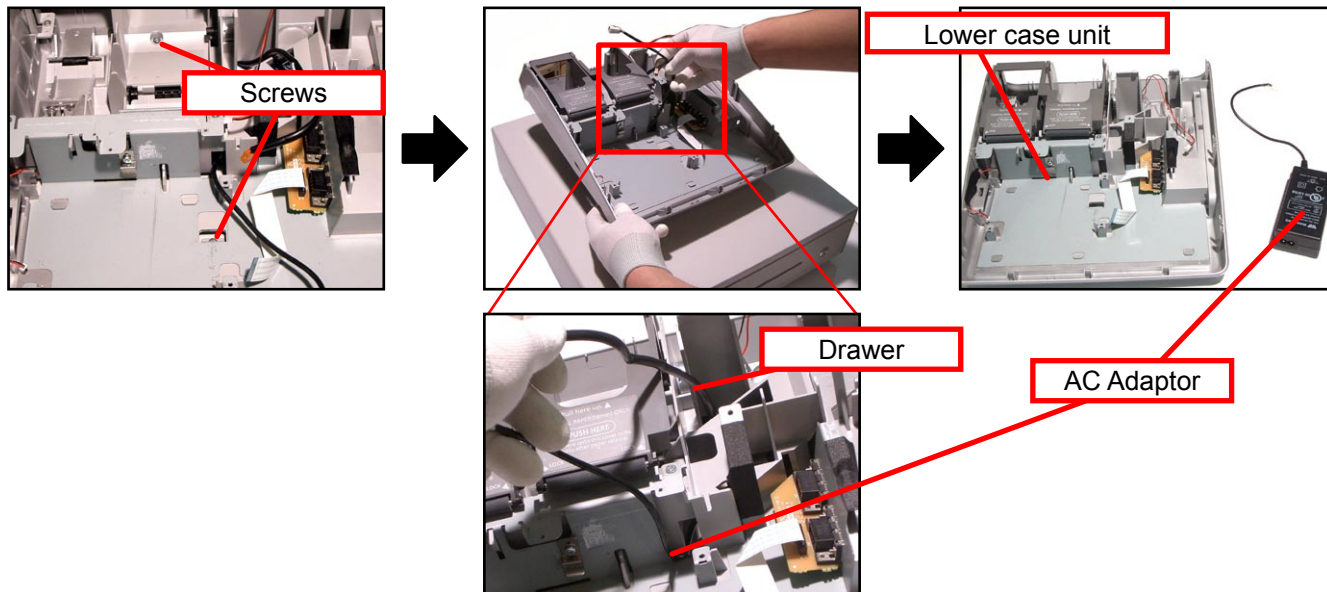


10. Unsolder to remove 3 lead wires.

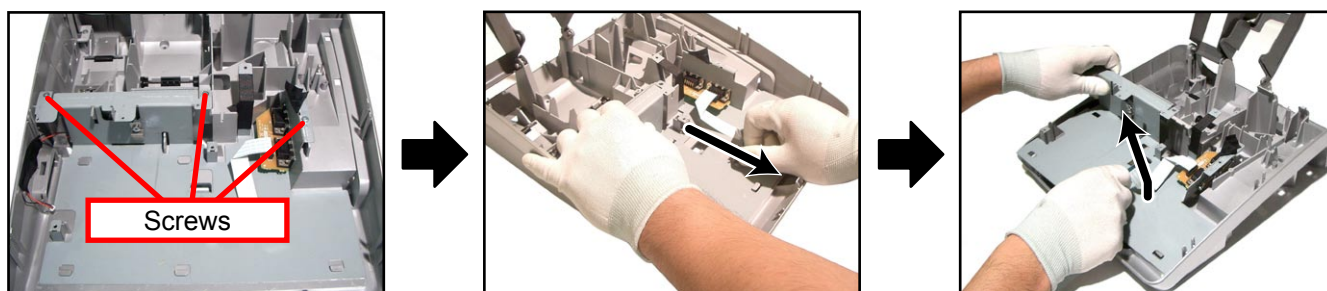
11. Remove the FPC and then the E292LCD-E2 PCB.



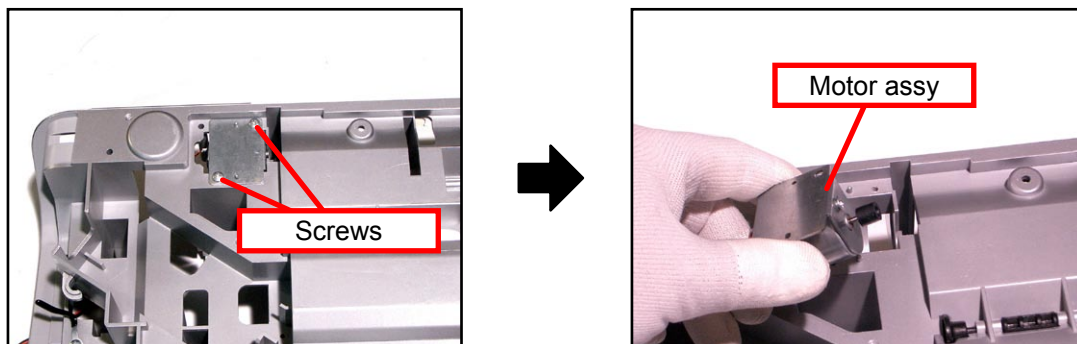
12. Remove 2 screws and then the Lower case unit and AC Adaptor.



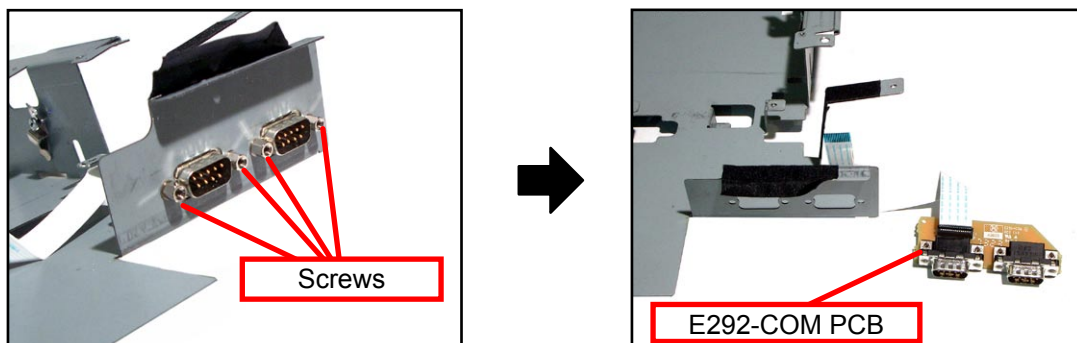
13. Remove 3 screws and then the Lower case unit and AC Adaptor.



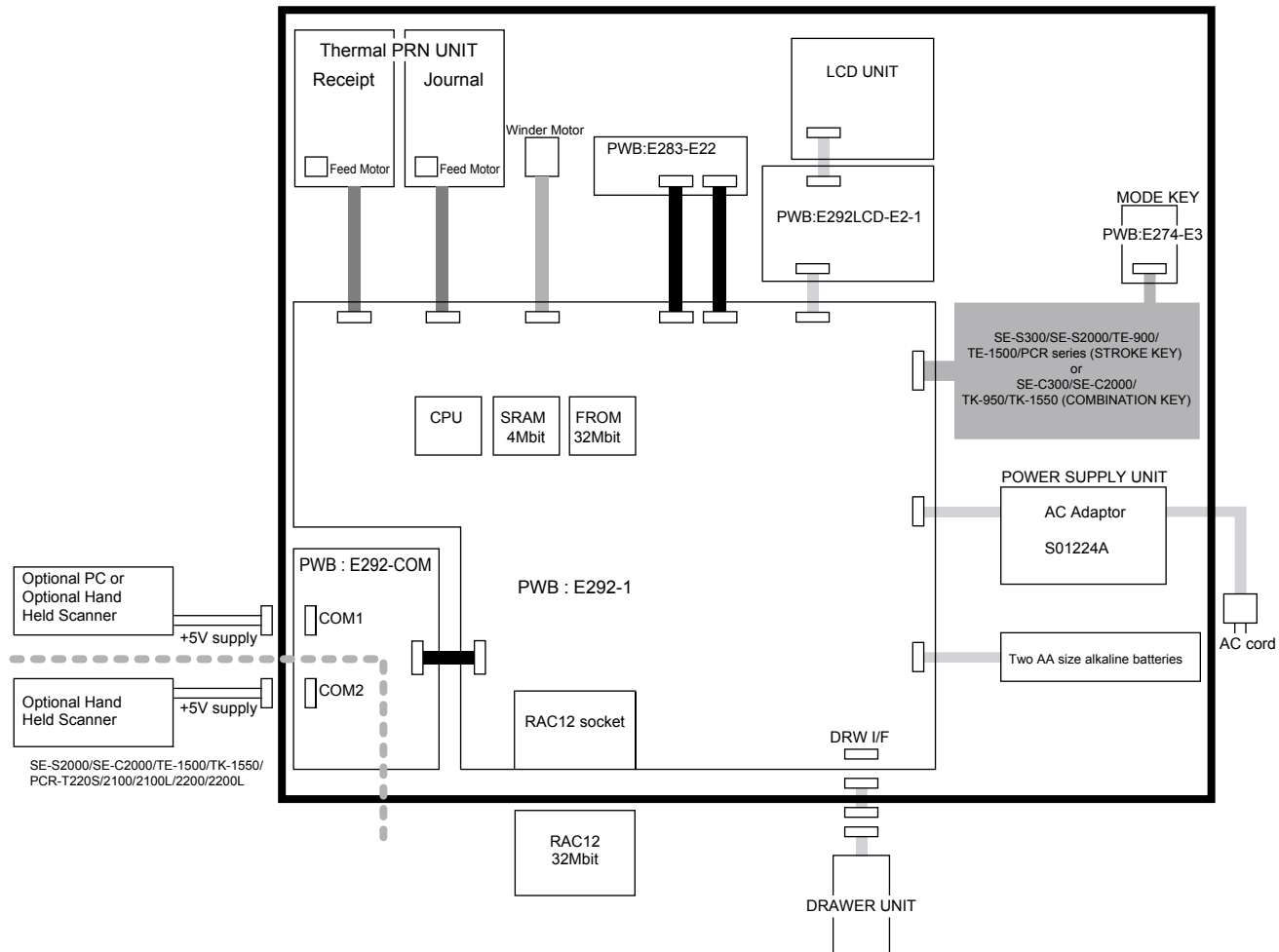
14. Remove 2 screws and then the Motor assy.



15. Remove 4 screws and then the E292-COM PCB.



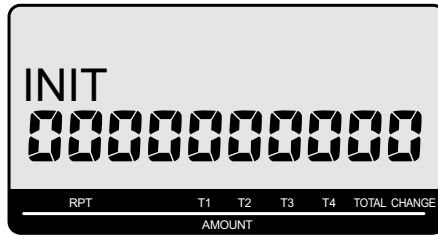
4. BLOCK DIAGRAM



5. DIAGNOSTIC OPERATION

5-1. To start the diagnostic program

1. First, be sure that MODE KEY is "OFF". While holding down the "JFEED" button, turn MODE KEY to "PGM". When the "JFEED" button is released, the main display indicates as illustrated below.

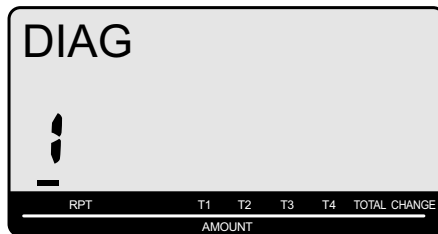


2. Enter "99990000" and then press the "SUB TOTAL" button.



3. After DIAG version is printed out, DIAG mode starts.

```
| Boot Ver : 4499 AAQFAB |  
| Apli Ver : 4501 AAQGAC |
```



5-2. Notes for the DIAG

- To perform the continuous check, follow the direction for each test, and input numbers except 0. Input numbers 1-9 as the command how many times to perform the test for the operation in each page to perform continuous check. Note that you can only choose one time check or continuous check.

[Others]

- ESC value is printed as follows if the test ended by force. Press the "C" key or turn off the power to end the test while performing continuous check. The result of ending by force is not printed in each test.

```
| ESC |
```

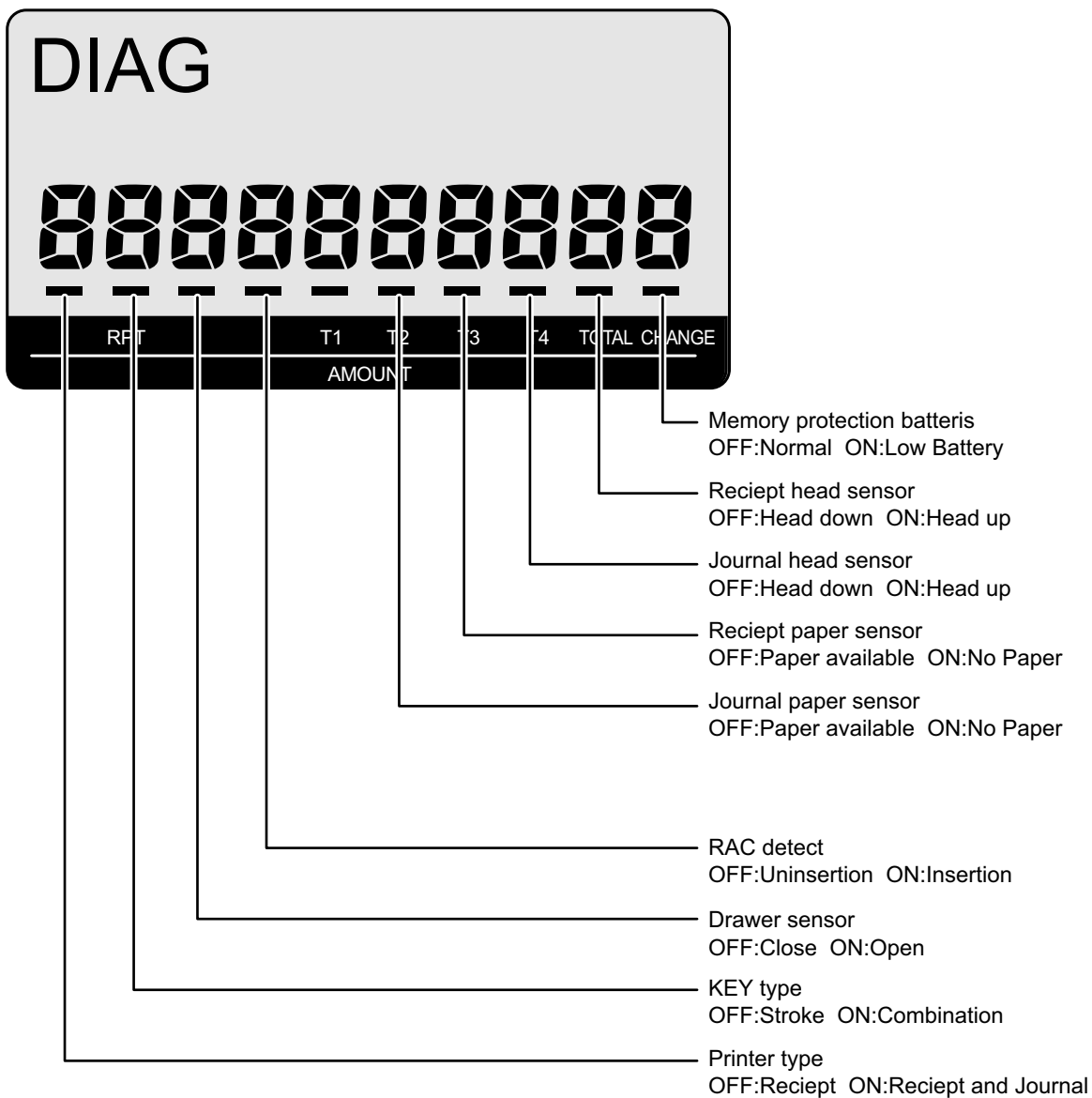
5-3. Displaying the status of the device

[Function]

Changing to status mode or pressing the “C” key when the device is in the command input wait state during test program startup displays the device status.

[DISPLAY]

The figure below shows the relative display positions for the status information.



5-4. Check item

The following test can be checked in the diagnostic test.

No	Device to be checked	Operation	Note	Page
1	BATCH TEST 1	1	Test Device : RAM READ/WRITE test, Watch, buzzer test and drawer open test are performed continuously.	21
2	BATCH TEST 2	2	Test Device : Display test and LCD backlight test are performed continuously.	21
RAM TEST				
3	RAM WRITE/READ TEST	n011		22
4	RAM READ ONLY TEST	n111		22
FLASH ROM TEST				
5	FLASH ROM CLEAR TEST	n212		23
6	FLASH ROM WRITE/READ TEST	n012		23
7	FLASH ROM CLEAR & WRITE/READ TEST	n312		24
8	FLASH ROM PROECT AREA CLEAR	0216		25
DISPLAY TEST				
9	DISPLAY TEST	n21		25
10	DISPLAY TEST (REPEAT)	521		26
11	7 SEGMENT DISPLAY TEST	221		26
12	LCD BACKLIGHT TEST	c0121		27
13	DISPLAY PATTERN TEST	n321		27
14	LCD CONTRAST ADJUSTMENT TEST	421		28
15	LCD BIT MAP TEST	621		29
PRINT TEST				
16	INTERNAL PRINTER CHARACTER PRINT TEST	acn03d		30
17	INTERNAL PRINTER GRAPHIC PATTERN PRINT TEST	P1P1P1P2P2P2n13d		31
18	INTERNAL PRINTER DOT RATE TEST	pn33d		32
19	INTERNAL PRINTER PRINT TEST	435		33
RS232C TEST				
20	RS232C PORT TEST	xn04d		33
21	RS232C PORT BATCH TEST	40		34
TIME/DRAWER/BUZZER/KEY/OBR TEST				
22	TIME SETTING	hhmmss0070 yyymmdd0170		35
23	TIME DISPLAY	070 170		35
24	DRAWER OPEN TEST	n091		36
25	BUZZER TEST	n092		36
26	KEY DISPLAY TEST	94		37
27	OBR TEST	95		38

5-5. Operation of each test

[1] BATCH TEST 1

[Function]

RAM READ/WRITE test, Watch, buzzer test and drawer open test are performed continuously.

[Operation]

Operation :

The following tests are performed automatically.

- (1) RAM test: WRITE/READ area test.
- (2) Test print
- (3) Time setting: Set the following data.
Arranged data: 2005 December 31,23:59'30
- (4) Buzzer: Ring once the one shot buzzer.
No print or display in this test.
- (5) Drawer open: Drawer 1 opens only.
- (6) Receipt issuance

[Print]

*Test print is also done on the journal side.

*If no journal printers are available, "BBBBBBBBBBBBBBBBBBBBBBBBBB" is printed out on the receipt.

BATCH	1
RAM WR	OK
BBBBBBBBBBBBBBBBBBBBBBBBBBBB	
DATE	05 / 12 / 31
TIME	23 : 59 - 30
DRW	OK
END	1

[2] BATCH TEST 2

[Function]

Display test and LCD backlight test are performed continuously.

[Operation]

Operation :

The following tests are performed automatically.

- (1) Display test: Press any key to go to the next screen.
- (2) LCD pattern test
- (3) 7 segment test
- (4) LCD backlight test Press any key to switch ON/OFF.

[Print]

BATCH	2
DISP	OK
DISP MAIN	OK
DISP 7SEG	OK
BACK LIGHT	OK
END	2

[3] RAM WRITE/READ TEST

[Function]

Data on the RAM is written, and tests are performed to check if the data has been written properly. The data to be written should be a one-byte data, which is the sum of the fourth, the third, and the second digits from the last of the address. After writing is completed, the data is read and checked whether it is identical to the original. The test will not be performed, however, in the area where performing this test affects the operation. Memory used in HANDLER (static area). Memory used in DIAG (stack, static areas). Code, however, will be performed from FLASH ROM.

[Operation]

Operation :

n: 0 = One time check (can be omitted)
 not 0 = Continuous check (To stop the test, press "C" key)

[Display]

A counter is displayed in the 7 segments to indicate that RAM check is in progress.

[Print]

The following is printed when all areas for RAM are tested.

RAM	1 1
RAM WR	OK
END	1 1

[4] RAM READ ONLY TEST

[Function]

Read only test for RAM (read, write, verify) is performed.
Note that write test (n011) must be performed right before this test.

[Operation]

Operation :

n: 0 = One time check (can be omitted)
 not 0 = Continuous check (To stop the test, press "C" key)

[Display]

A counter is displayed in the 7 segments to indicate that RAM check is in progress.

[Print]

The following is printed when all areas for RAM are tested.

RAM	1 1 1
RAM RD	OK
END	1 1 1

[5] FLASH ROM CLEAR TEST

[Function]

After this test, be sure to perform [6] FLASH ROM WRITE/READ test before conducting other tests. If other tests are performed without having conducted FLASH ROM WRITE/READ test and the program is damaged, proper operation cannot be guaranteed. Please perform IPL again.

[Operation]

Operation :

n: 0 = One time check (can be omitted)
not 0 = Continuous check (To stop the test, press "C" key)

[Display]

A counter is displayed in the 7 segments to indicate that RAM check is in progress.

[Print]

The following is printed when all areas for RAM are tested.

ROM	2 1 2
FLASH CLR	OK
END	2 1 2

[6] FLASH ROM WRITE/READ TEST

[Function]

[5] FLASH ROM CLEAR test must have been performed immediately before this test. The test is performed in the user area.

[Operation]

Operation :

n: 0 = One time check (can be omitted)
not 0 = Continuous check (To stop the test, press "C" key)

[Display]

A counter is displayed in the 7 segments to indicate that RAM check is in progress.

[Print]

The following is printed when all areas for RAM are tested.

ROM	1 2
FLASH WR	OK
END	1 2

[7] FLASH ROM CLEAR & WRITE/READ TEST

[Function]

After CLEAR function clears the memory, WRITE test is performed.

[Operation]

Operation :

n: 0 = One time check (can be omitted)
 not 0 = Continuous check (To stop the test, press "C" key)

[Display]

A counter is displayed in the 7 segments to indicate that RAM check is in progress.

[Print]

The following is printed when all areas for RAM are tested.

ROM	3 1 2	
FLASH	OK	
END	3 1 2	

[8] FLASH ROM PROTECT AREA CLEAR

[Function]

The area with LOCAL/CONTRAST setting is cleared.

[Operation]

Operation :

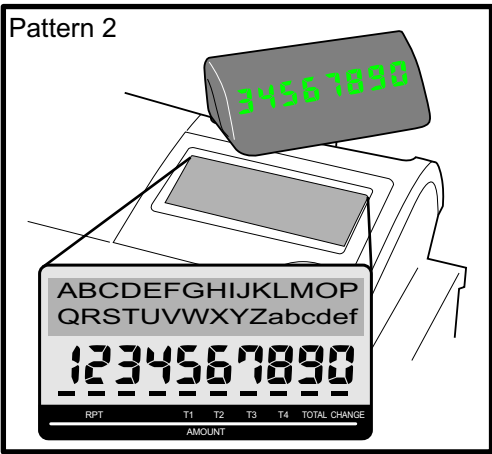
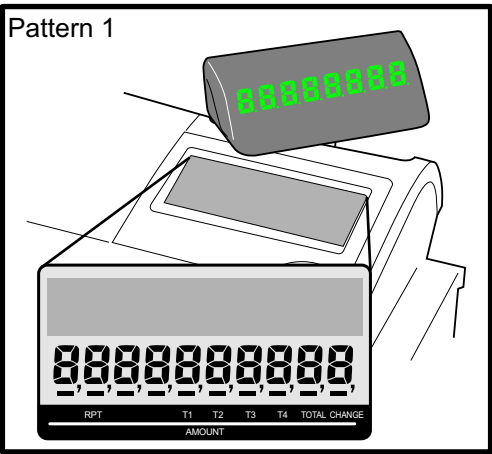
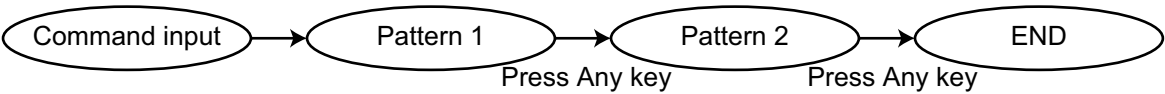
[Print]

LOCALE	2 1 6	
LOCALE CLR	OK	
END	2 1 6	

[9] DISPLAY TEST

[Function]

The test of LCD/7 segment display and transaction display is performed as shown below.



[Operation]

Operation :

n: 0 = One time check (can be omitted)
not 0 = Continuous check (To stop the test, press "C" key)

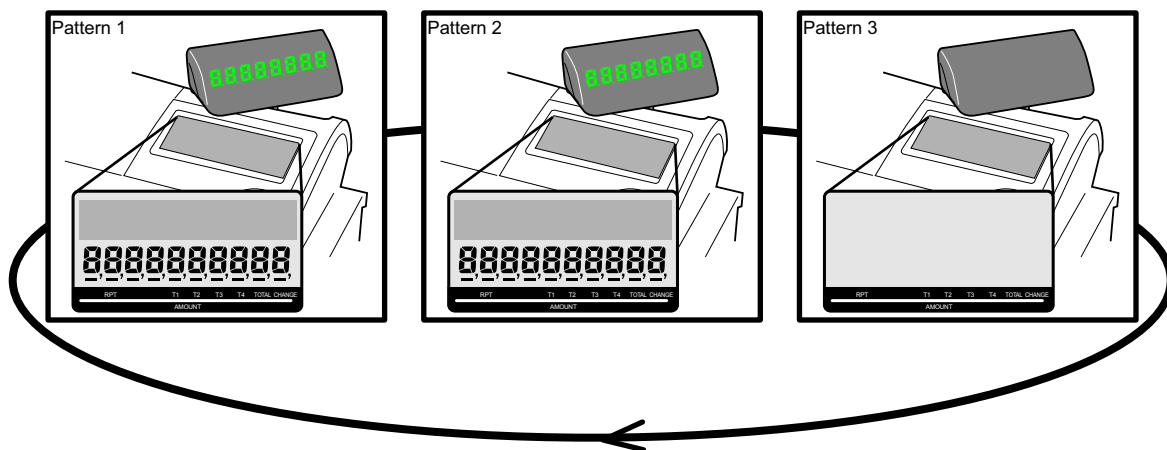
[Print]

DISP	21
DISP	OK
ND	21

[10] DISPLAY TEST (REPEAT)

[Function]

The test of LCD/7 segment display and transaction display is performed as shown below.



[Operation]

Operation :

To stop the test, press "C" key

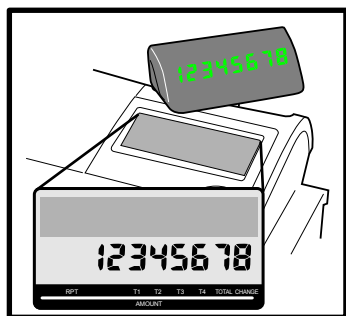
[Print]

DISP	5 2 1	
DISP	OK	
ND	5 2 1	

[11] 7 SEGMENT DISPLAY TEST

[Function]

The test of 7 segment display is performed as shown below.



[Operation]

Operation :

To stop the test, press "C" key

[Print]

DISP	2 2 1	
DISP 7 SEG	OK	
ND	2 2 1	

[12] LCD BACKLIGHT TEST

[Function]

LCD Backlight is turned ON/OFF.

[Operation]

Operation :

c: 0 = Press any button to turn "OFF" -> "ON"

1 = Backlight OFF

2 = Backlight ON

[Print]

DISP	121
DISP LIGHT	OK
ND	121

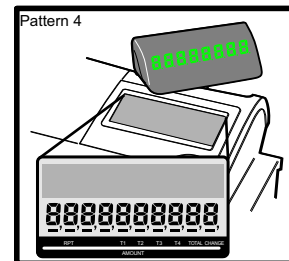
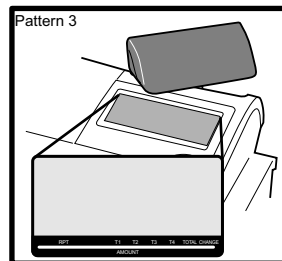
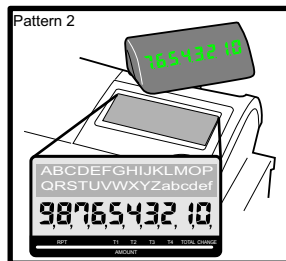
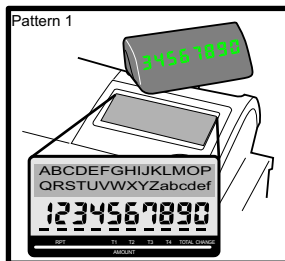
[13] DISPLAY PATTERN TEST

[Function]

Performs an LCD display pattern test.

The test displays the 4 patterns shown below.

In run-once mode, press any key to end the test. In unlimited-run mode, set the mode to OFF to end the test.



[Operation]

Operation :

n: 0 = One time check (can be omitted)

not 0 = Continuous check (To stop the test, press "C" key)

[Print]

DISP	321
DISP MAIN	OK
ND	321

[14] LCD CONTRAST ADJUSTMENT TEST

[Function]

Adjusts the LCD contrast and writes the adjustment to the FLASH ROM.

Up to 16 adjustments can be written to the FLASH ROM. If more than 16 adjustments are written, an error occurs.

The contrast value when adjustment begins is the value written during the previous adjustment ("22" if no data has been written). After the adjustment, pressing the "#1" key updates the stored adjustment value.

[Operation]

Operation : 4 2 1 SUB TOTAL

"RECEIPT ON/OFF" button: Current contrast + 1 (dark)

"PRICE" button: Current contrast - 1 (light)

"#1" button: Confirm contrast (writes the value to FLASH ROM). Exits the adjustment sequence.

To stop the test, press "C" key.

[DISPLAY]



[Print]

DISP	4 2 1	XX is the adjustment value.
LCD CONTRAST	ESC	
END	4 2 1	
LCD CONTRAST	NG	Printed when an error occurs.
LCD CONTRAST	OVR	Printed if more than 16 adjustments have been written.
LCD CONTRAST	ESC	Printed if you exited the sequence without setting an adjustment value.

[Operation]

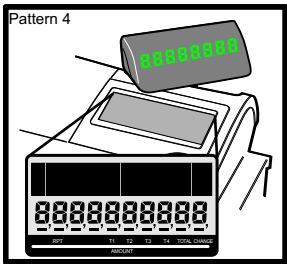
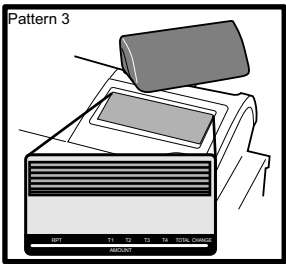
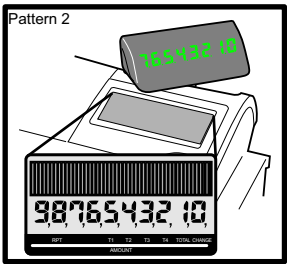
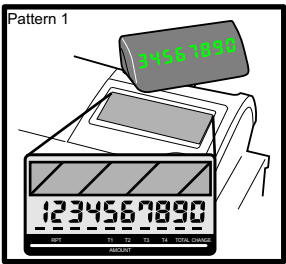
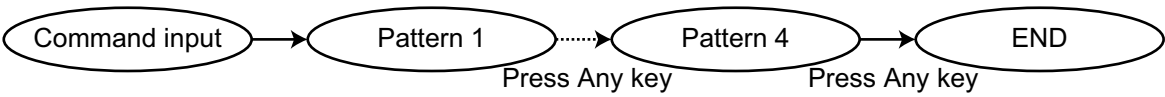
Up to 16 adjustments can be written to the FLASH. If more than 16 adjustments are written, an error occurs. In such cases, perform the following command to clear the area.

Operation : 1 0 4 2 1 SUB TOTAL

[15] LCD BIT MAP TEST

[Function]

Performs an LCD display pattern test.



[Operation]

Operation : 6 2 1 SUB TOTAL

To stop the test, press "C" key.

[Print]

DISP	6 2 1
LCD BITMAP	OK
ND	6 2 1

[16] INTERNAL PRINTER CHARACTER PRINT TEST

[FUNCTION]

This test will check the characters in the receipt/journal of the internal printer.

[Operation]

Operation :

a

c

n

0

3

d

SUB TOTAL

- a: 0 = normal print out
 1 = reduced size print out
- c : 0 = prints character ' B '
 1 = prints all characters
- n : 0 = One time check
 not 0 = Continuous check (To stop the test, press "C" key)
- d : 3 = Recipet
 4 = Journal
 5 = Recipet and Journal

[Print]

1. Prints character ' B '

| BBBBBBBBBBBBBBBBBB |

2. Prints all characters

Refer to the figure in the next page for the characters to be printed.

The printing order is in the order of the character code. The characters from 0x20(SP) to 0xFD(•) are printed.

A space is printed for a code without the printing character.

A character which cannot be printed is a character within the range of the code 0x00 to 0x1F and 0xFB to 0xFF.

[17] INTERNAL PRINTER GRAPHIC PATTERN PRINT TEST

[FUNCTION]

This test will check the graphic patterns in the receipt/journal of the internal printer.

The graphic patterns and the print images are as follows;

Graphic pattern 1

Graphic pattern 2

Graphic pattern 1

Graphic pattern 2

:

: repeat (for 28 Dot line)

[Operation]

Operation :

P1	P1	P1	P2	P2	P2	n	1	3	d
----	----	----	----	----	----	---	---	---	---

SUB TOTAL

P1: 0 = Graphic patter 1 (change 8 bit into a decimal number and input it)

P2: 0 = Graphic patter 2 (change 8 bit into a decimal number and input it)

n: 0 = One time check

not 0 = Continuous check (To stop the test, press "C" key)

d : 3 = Recipet

4 = Journal

5 = Recipet and Journal

* Print patterns and commands

(1) Receipt, 25% pattern, continuous

Operation :

0	8	5	0	0	0	1	1	3	3
---	---	---	---	---	---	---	---	---	---

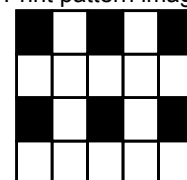
SUB TOTAL

The display unit of the print pattern image in the right is as follows;

Horizontal: dot

Vertical: do line

Print pattern image



(2) Receipt, 50% pattern, continuous

Operation :

0	8	5	1	7	0	1	1	3	3
---	---	---	---	---	---	---	---	---	---

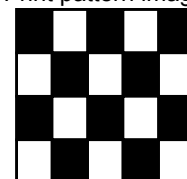
SUB TOTAL

The display unit of the print pattern image in the right is as follows;

Horizontal: dot

Vertical: do line

Print pattern image



(3) Receipt, 100% pattern, continuous

Operation :

2	5	5	2	5	5	1	1	3	3
---	---	---	---	---	---	---	---	---	---

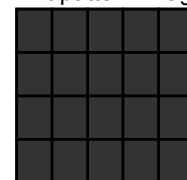
SUB TOTAL

The display unit of the print pattern image in the right is as follows;

Horizontal : dot

Vertical : do line

Print pattern image



[18] INTERNAL PRINTER DOT RATE TEST

[FUNCTION]

This test will check the printing of the receipt/journal according to the following specifications.

The printing specification is reflected in 1/2 line and the only specified number of dot lines are printed in all dots from the 1 dot line.

Note that 1/2 line is printed two times because the printing unit is one line.

[Operation]

Operation :

p

n

3

3

d

SUB TOTAL

p: 0= 3 dot line

1 = 5 dot line

2 = 7 dot line

n: 0 = One time check

not 0 = Continuous check (To stop the test, press "C" key)

d : 3 = Recipet

4 = Journal

5 = Recipet and Journal

[Print]

(1) 3 dot lines

The first 3 dot lines in the 1/2 line (14 dot lines) out of one line are printed in all dots.

3 dot lines (printed in all dots)	}	Printing image of 1/2 line	}	printing image of 1 line (28 dot lines)
11 dot lines (no printing)		(14 dot lines)		
3 dot lines (printed in all dots)	}	Printing image of 1/2 line		
11 dot lines (no printing)		(14 dot lines)		

(2) 5 dot lines

The first 5 dot lines in the 1/2 line (14 dot lines) out of one line are printed in all dots.

5 dot lines (printed in all dots)	}	Printing image of 1/2 line	}	printing image of 1 line (28 dot lines)
9 dot lines (no printing)		(14 dot lines)		
5 dot lines (printed in all dots)	}	Printing image of 1/2 line		
9 dot lines (no printing)		(14 dot lines)		

(3) 7 dot lines

The first 7 dot lines in the 1/2 line (14 dot lines) out of one line are printed in all dots.

7 dot lines (printed in all dots)	}	Printing image of 1/2 line	}	printing image of 1 line (28 dot lines)
7 dot lines (no printing)		(14 dot lines)		
7 dot lines (printed in all dots)	}	Printing image of 1/2 line		
7 dot lines (no printing)		(14 dot lines)		

[19] INTERNAL PRINTER PRINT TEST

[FUNCTION]

Print out is performed on the internal printer receipt/journal in the following format. This test is performed once. The number of the tests to be performed cannot be changed.

[Operation]

Operation :

[Print]

PRT	4 3 5
ND	4 3 5

 ⇐ Prints 3 lines from character code 0X30 to 0X8.

[20] RS232C PORT TEST

[FUNCTION]

This is the RS232C test.

The loop back test for RS232C port is performed by making the connection shown in the figure.

Refer to [22] RS232C PORT BATCH TEST the figure for RS232C port connection.

[Operation]

Operation :

x: Baud rate selection

0=2400 bps, 1=4800 bps, 2=9600 bps, 3=19.2 kbps, 4=38.4 kbps, 5=56 kbps, 6=Invalid, 7=115.2 kbps

n: 0 = One time check (can be omitted)

not 0 = Continuous check (To stop the test, press "C" key)

d: 1 = COM1 (UART1)

2 = COM2 (UART0)

[Print]

COM1	30041
RTS1=1 --> CTS1=1	OK
DTR1=1 --> DSR1=1	OK
RTS1=0 --> CTS1=0	OK
DTR1=0 --> DSR1=0	OK
TxD --> RxD	OK
END	30041

[21] RS232C PORT BATCH TEST

[Function]

This is the RS232C port batch test.

When performing this test, fix loop back connectors to all COM ports.

By the setting below, the loop back batch test is performed once from COM1 through COM2.

[Operation]

Operation :

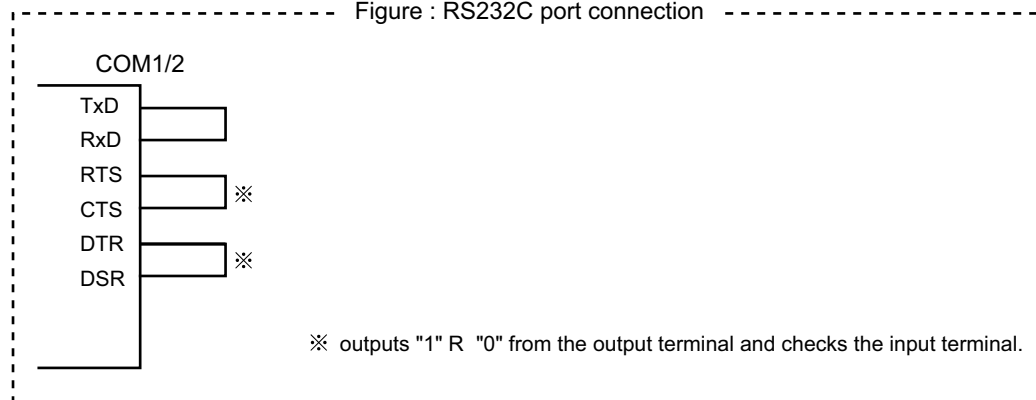
Baud rate: COM1: 19.2 kbps, COM 2: 9600 bps

Check time: one time

[Print]

COM BATCH	40	
RTS1=1 --> CTS1=1	OK	} COM1
DTR1=1 --> DSR1=1	OK	
RTS1=0 --> CTS1=0	OK	
DTR1=0 --> DSR1=0	OK	
TxD --> Rx D	OK	
RTS2=1 --> CTS2=1	OK	} COM2
RTS2=0 --> CTS2=0	OK	
DTR2=0 --> DSR2=0	OK	
TxD --> Rx D	OK	
END	40	

Figure : RS232C port connection



[22] TIME SETTING

[23] TIME DISPLAY

[Function]

This sets the time and date.

When setting the time, the time and date will be displayed without inputting the fixed value.

[Operation]

(1) Date and time setting

Operation :

hh: hour

mm: minutes

ss: second

Operation :

yy: year

mm: month

dd: day

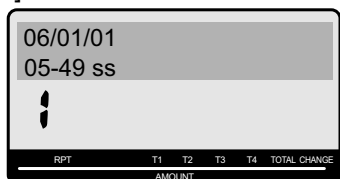
(2) Date and time display

Operation (time):

Operation (date):

Pressing “C” key displays the date and time in order. Pressing “C” key while the time is displayed ends the test.

[LCD]



[24] DRAWER OPEN TEST

[Function]

This test checks whether the drawer opens or not..

[Operation]

Operation :

n: 0 = One time check

not 0 = Continuous check (To stop the test, press "C" key)

[Print]

DRW	9 1
DRW	OK
END	9 1

[25] BUZZER TEST

[FUNCTION]

This test checks whether the buzzer sounds or not.

One time check causes one shot buzzer to sound once, while infinite time check causes the buzzer to sound for 500 msec. When the infinite time check is performed, press "C" key to stop the intermittent buzzer.

[Operation]

Operation :

n: 0 = One time check

not 0 = Continuous check (To stop the test, press "C" key)

[Print]

BUZZ	9 2
END	9 2

[26] KEY DISPLAY TEST

[FUNCTION]

The hard key code of a key is displayed every time any key except “C” key is pressed.
The hard key code is arranged as follows.

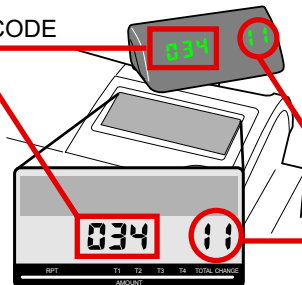
[Operation]

Operation :

To stop the test, press “C” ke

[LCD]

KEY CODE



11:STROKE KEY
10:COMBI KEY

[Location of the key code]

STROKE KEY (SE-S300/SE-S2000)

089	082	076	073	070	067	060	053	046	039	032	025
088	081	075	072	069	066	059	052	045	038	024	018
087		007	008	009	065	058	051	044	037	023	015
086	079	004	005	006	064	057	050	043	036	014	
085	078	001	002	003	063	056	049	042	035		013
084	C	000	011	012	062	055	048	041	034		

STROKE KEY (SE-S300/SE-S2000)

089	082	076	073	070	067	060	053	046	039	032	025
088	081	075	072	069	066	059	052	045	038	031	024
087		007	008	009	065	058	051	044	037	030	023
086	079	004	005	006	064	057	050	043	036	029	014
085	078	001	002	003	063	056	049	042	035	028	
084	C	000	011	012	062	055	048	041	034	027	013

COMBI KEY (SC-S300/SE-C2000)

041	039	036	033	026	021	049	057	065	073	081	089	097	105	113
040	038	035	032	025	020	048	056	064	072	080	088	096	104	112
						047	055	063	071	079	087	095	103	111
C	037	034	031	024	019	046	054	062	070	078	086	094	102	110
007	008	009	030	023	018	045	053	061	069	077	085	093	101	109
004	005	006	029	022	015	044	052	060	068	076	084	092	100	108
001	002	003	028	014=017		043	051	059	067	075	083	091	099	107
000	011	012	027	013		042	050	058	066	074	082	090	098	106

[27] OBR TEST

[Function]

This is a scanner test. The test enters the wait mode for the scanner input, and waits only for scanner. The test determines the result between OK and NG by comparing the fixed data and the read data.

* The fixed barcode is as follows.



[Operation]

SE-S2000/SE-C2000: COM2

SE-S300/SE-C300: COM1

Operation :

To stop the test, press "C" key

[Print]

OBR	9 5
OBR	OK
OBR ERR *****	
END	9 5

When an error occurs, the read data is printed.

6. ERROR CODE LIST

This section describes what to do when you have problems with operation.

When an error occurs

Errors are indicated by an error codes. When this happens, you can usually find out what the problem is as illustrated below.

Press **C** and check the appropriate section of this manual for the operation you want to perform.

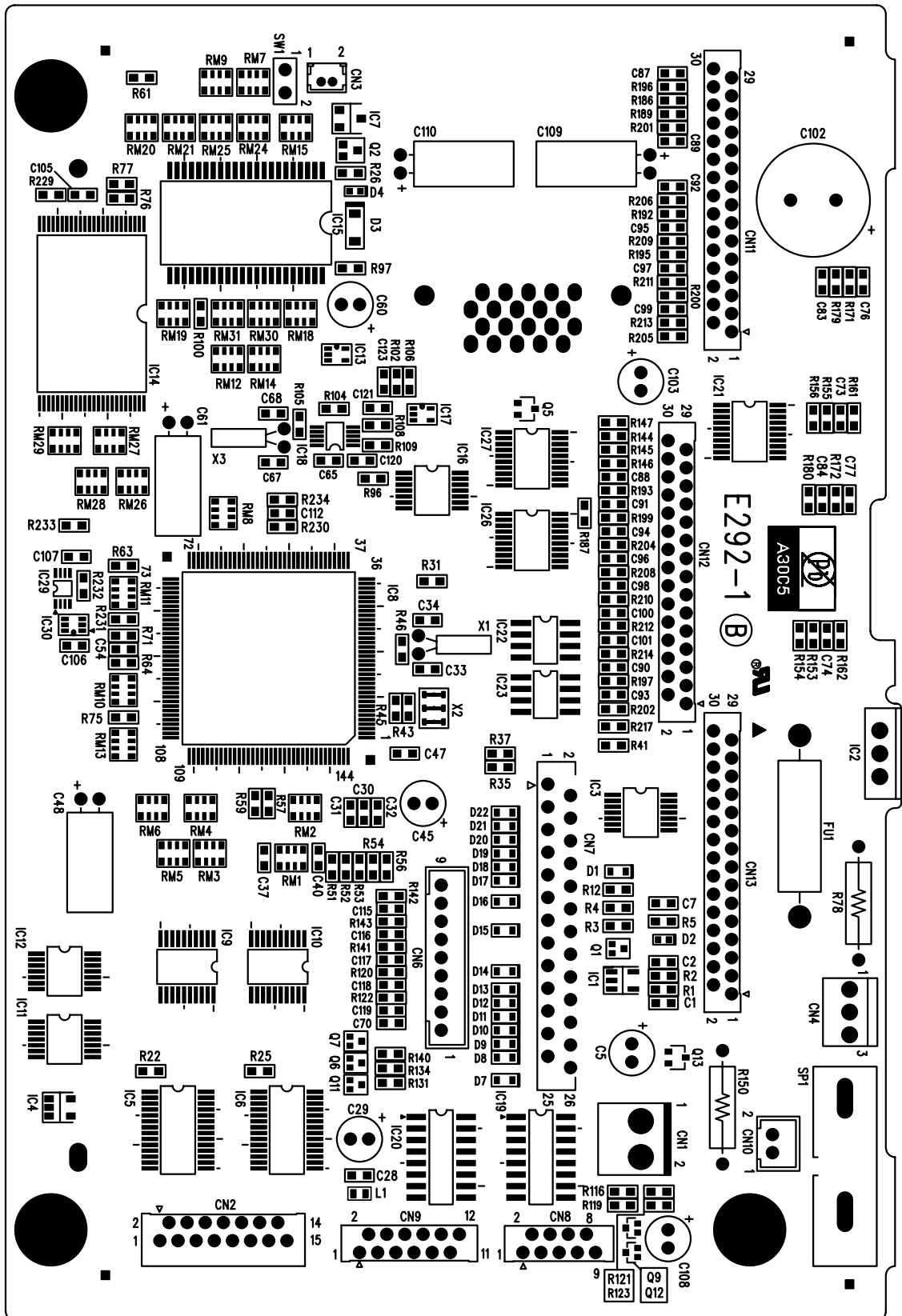
Error code	Message	Meaning	Action
E001	Wrong mode	Mode switch position changed before finalization.	Return the mode switch to its original setting and finalize the operation.
E003	Wrong operator	The signed on clerk differs from the clerk performed the tracking check registration.	Input correct check number or assign the proper clerk number.
E004	Error INIT/FC	Initialization or unit lock clear operation in progress.	Complete operation.
E008	Please sign on	Registration without entering a clerk number.	Enter a clerk number.
E010	Close the drawer	The drawer is left open longer than the program time (drawer open alarm).	Close the drawer.
E011	Close the drawer	Attempt to register while the cash drawer is open.	Shut the cash drawer.
E016	Change back to REG mode	Two consecutive transactions attempted in the refund mode.	Switch to another mode and then back to the RF mode for the next transaction.
E017	Enter CHK/TBL number	Attempt made to register an item without inputting a check number.	Input a check number.
E018	Enter Table number	Attempt made to register an item without inputting a table number.	Input a table number.
E019	Enter number of customers	Finalize operation attempted without entering the number of customer.	Enter the number of customer.
E021	No DEPT Link	No department linked PLU is registered.	Correct the program.
E026	Enter condiment/preparation PLU	No condiment/preparation PLU is registered.	Register condiment/preparation PLU.
E029	In the tender operation	Item registration is prohibited, while partial tender.	Finalize the transaction.
E031	Press ST key	Finalization of a transaction attempted without confirming the subtotal.	Press <SUBTOTAL>.
E033	Enter tendered amount	Finalize operation attempted without entering amount tender.	Enter the amount tendered.
E035	Change amount exceeds limit	Change amount exceeds preset limit.	Input amount tendered again.
E036	Remove money from the drawer	Contents of the drawer exceed programmed limit.	Perform payout operation.
E037	Digit or amount limitation over	High amount lock out/low digit lock out error	Enter correct amount.
E038	Perform money declaration	Read/reset operation without declaring cash in drawer. This error appears only when this function is activated.	Perform money declaration.

Error code	Message	Meaning	Action
E040	Issue guest receipt	Attempt to register a new transaction without issuing a guest receipt.	Issue a guest receipt.
E046	REG buffer full	Registration buffer full.	Finalize the transaction.
E049	CHECK memory full	Check tracking index memory full.	Finalize and close the check number currently used.
E050	DETAIL memory full	Check tracking detail memory full.	Finalize and close the check number currently used.
E051	CHK/TBL No. is occupied	Attempt to made use <New Check> to open a new check using a number that is already used for an existing check in check tracking memory.	Finalize and close the check that is currently under the number that you want to use or use a different check number.
E053	CHK/TBL No. is not opened	Attempt made to use <Old Check> reopen a new check using a number that is not used for an existing check in check tracking memory.	Use the correct check number (if you want to reopen a check that already exists in check tracking memory) or use <New Check> to open a new check.
E075	Negative balance cannot be finalized	Attempt to finalize a transaction when balance is less than or equal to zero.	Register item(s) until the balance becomes positive amount.
E101	PLU maintenance file full. Press <#2> to exit	Scanning PLU direct maintenance/ batch maintenance file becomes full.	Terminate the maintenance.
E103	PLU Code is not exist. Input the PLU Code	PLU code is not existed in the file.	Enter proper PLU code.
E105	PLU file full	Scanning PLU file full	Modify the designated item.
E106	Item exists in the PLU FILE	The designated item has already existed in the scanning PLU file.	
E112	Close the journal platen arm	The journal platen arm is opened.	Close the journal platen arm.
E114	Close the receipt platen arm	The receipt platen arm is opened.	Close the receipt platen arm.
E139	Negative balance is not allowed	Attempt to register <-> or <CPN> when the balance becomes negative.	Enter proper minus/coupon amount.
E146	Arrangement file full	Arrangement file is full.	Set the arrangement properly.
E200	Insert RAC	RAC is set.	Set RAC.
E201	Illegal Format	Illegally formatted RAC	Format the RAC.
E202	File not found	The designated file is not found in the RAC.	Enter proper file name.
E205	File already exist.	Can not write, because designated file has already been in the RAC.	Check the operation and retry.

7. PCB LAYOUT

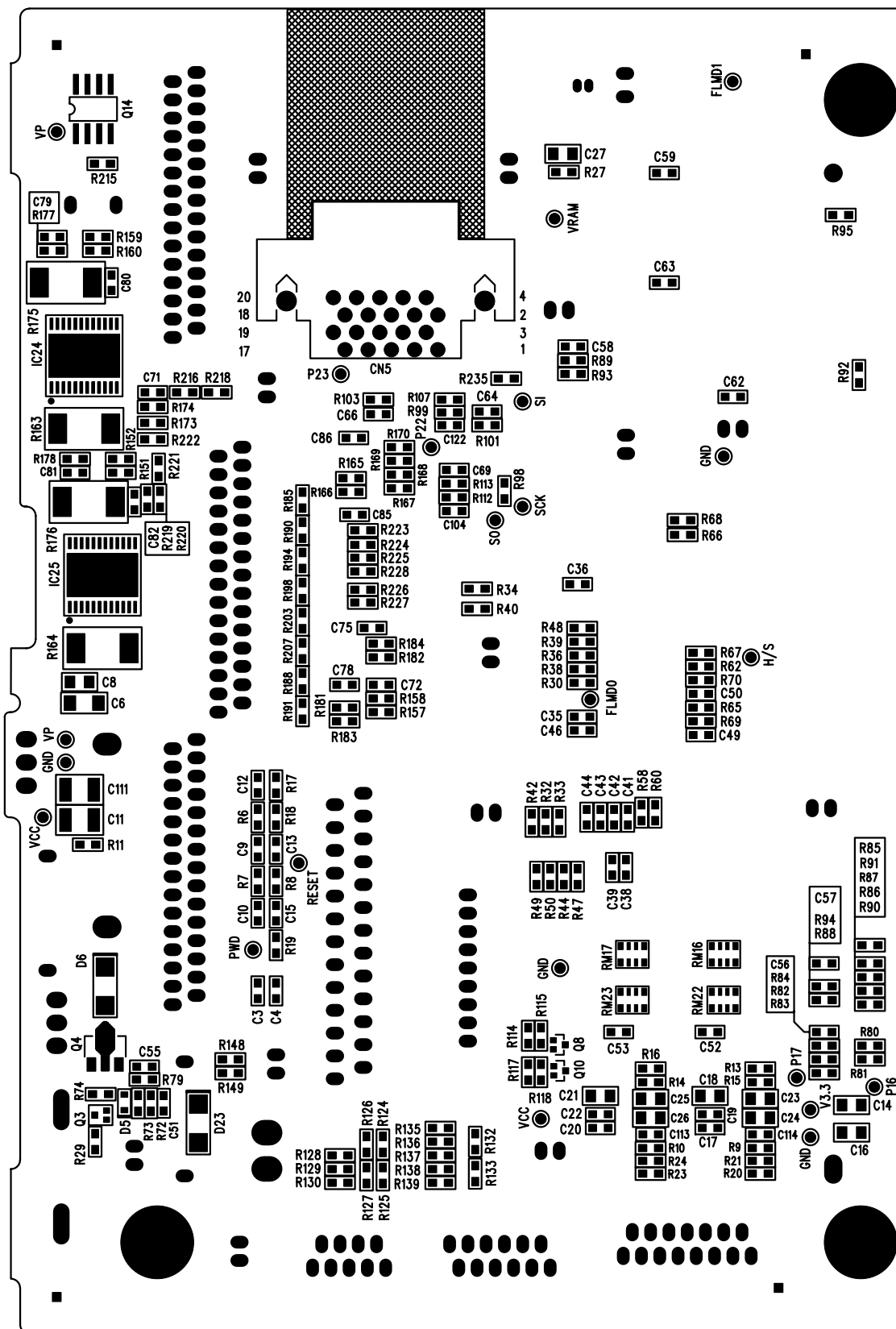
MAIN PCB (E292-1 PCB)

(TOP VIEW)



MAIN PCB (E292-1 PCB)

(BOTTOM VIEW)



8. CIRCUIT DIAGRAMS

SE series

SE-S300/SE-S2000/SE-C300/SE-C2000

TE series / TK series

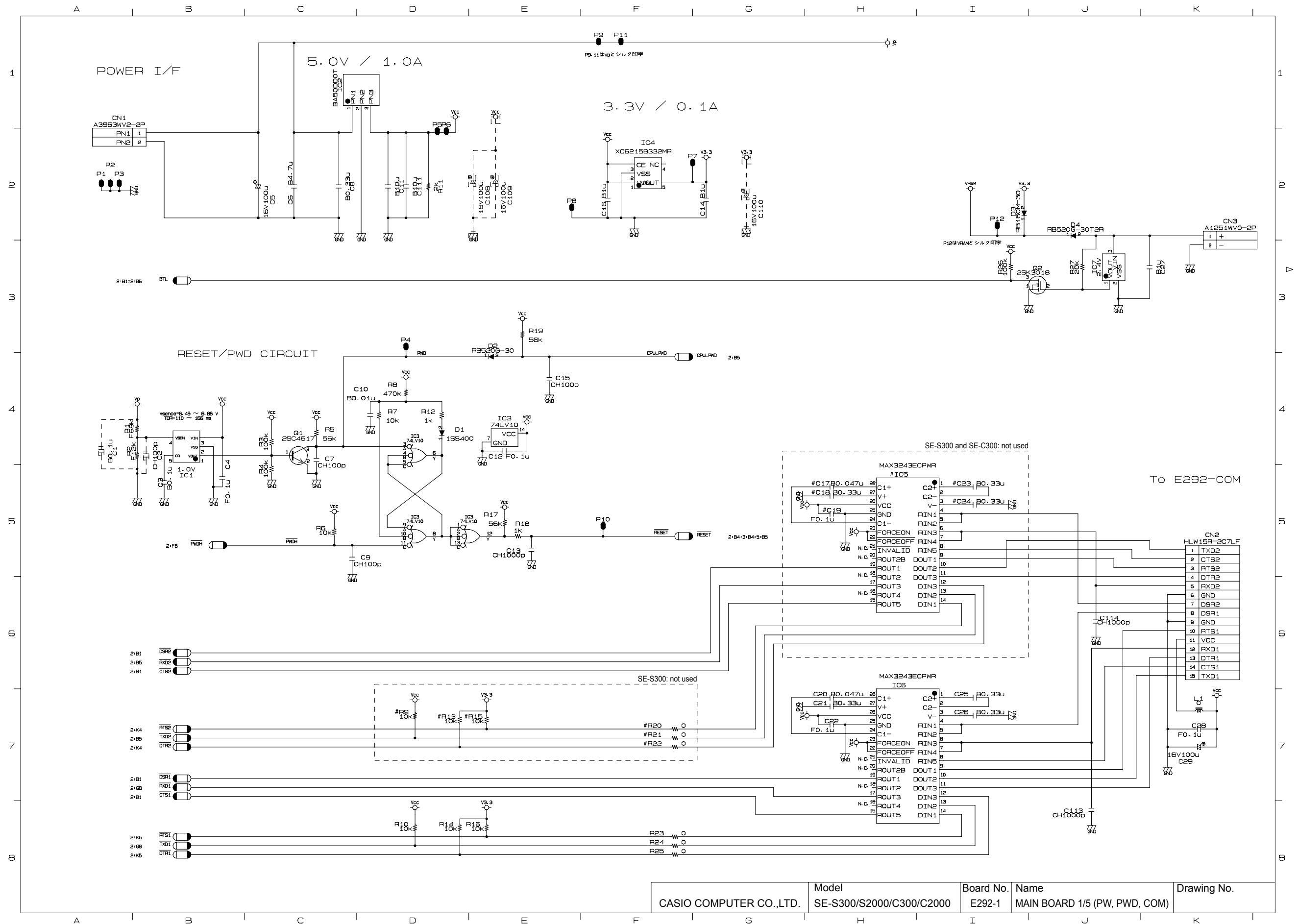
TE-900/TE-1500/TK-950/TK-1550

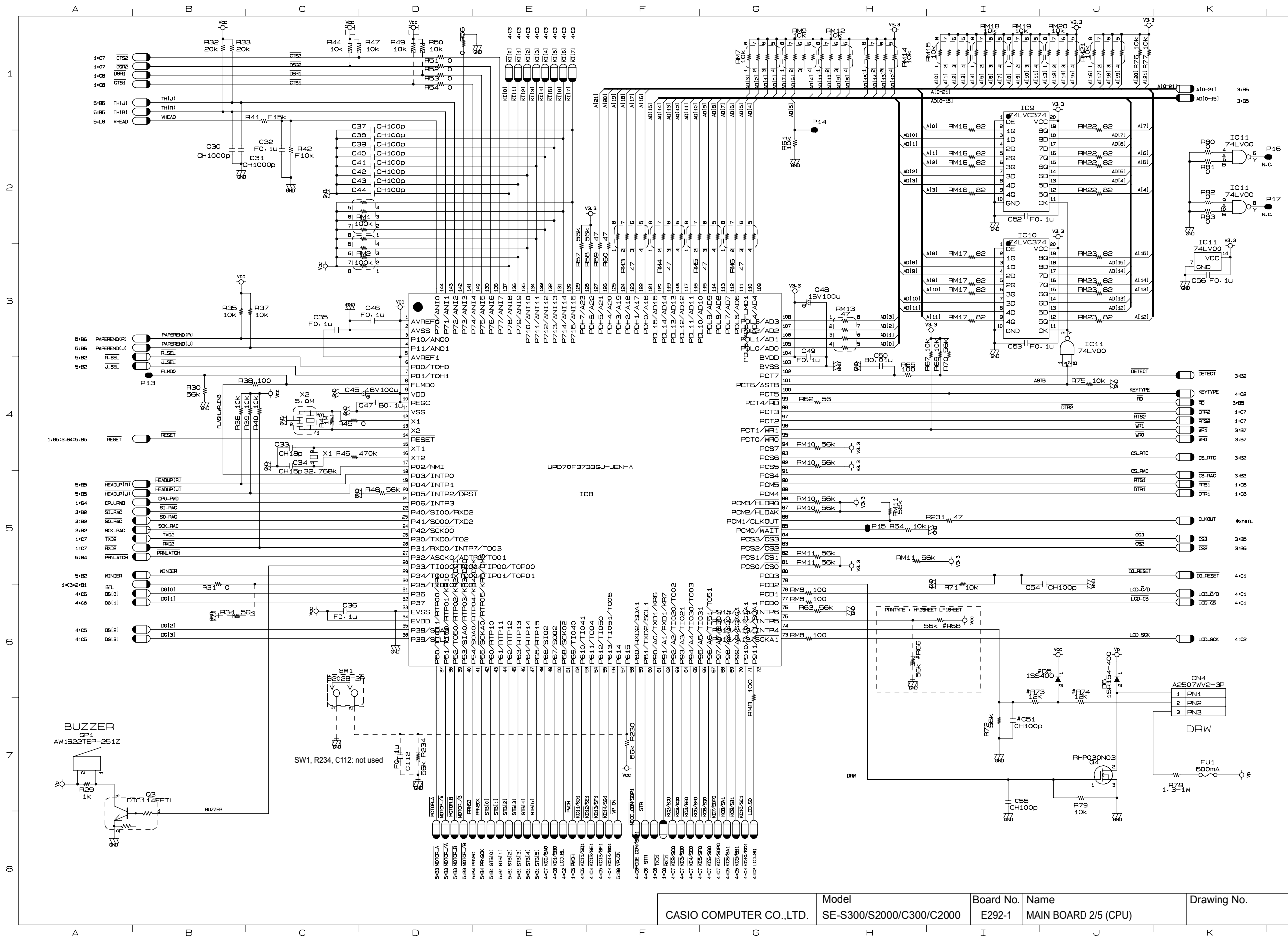
PCR series

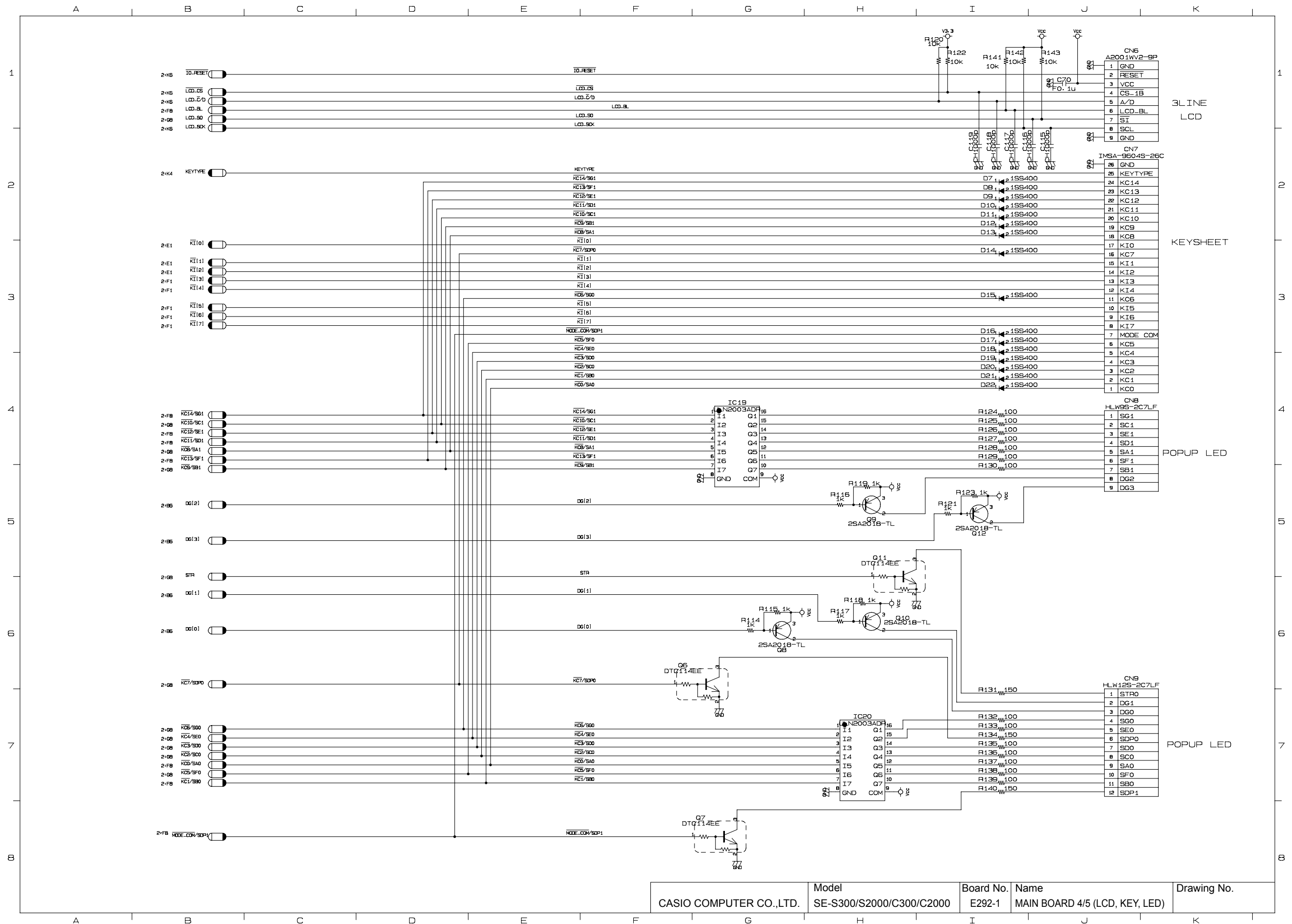
PCR-T48S/PCR-T470/PCR-T480/PCR-T470L/PCR-T480L
PCR-T220S/PCR-T2100/PCR-T2200/PCR-T2100L/PCR-T2200L

(EX-292/EX-293/EX-592/EX-593)

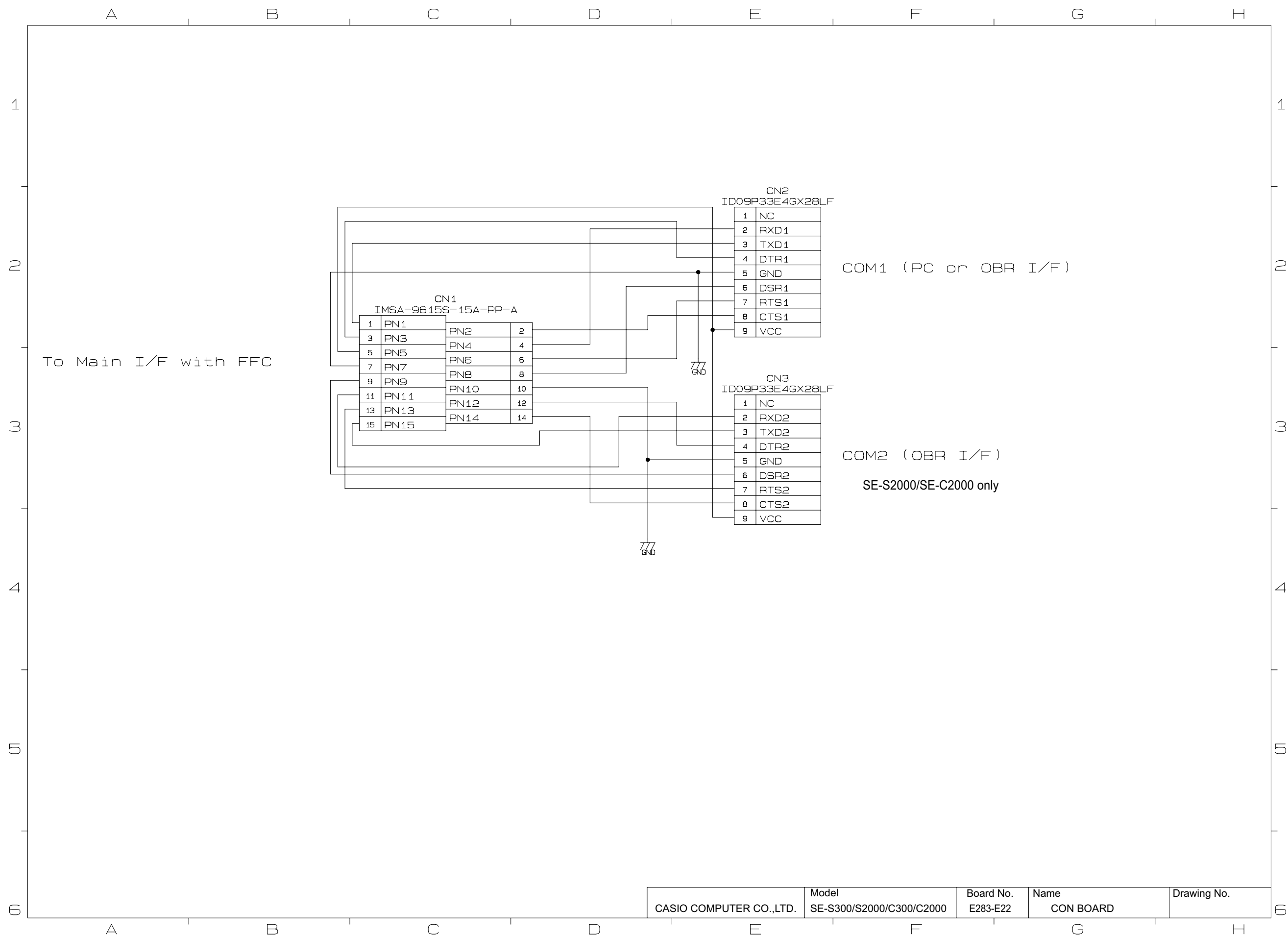
1. MAIN PCB CIRCUIT	
1-1. MAIN PCB CIRCUIT 1/5 (PW,PWD,COM)	44
1-2. MAIN PCB CIRCUIT 2/5 (CPU)	45
1-3. MAIN PCB CIRCUIT 3/5 (ROM, RAM, SIO)	46
1-2. MAIN PCB CIRCUIT 4/5 (LCD, KEY, LED)	47
1-3. MAIN PCB CIRCUIT 5/5 (PRT)	48
2. COM PCB CIRCUIT	49
3. DISPLAY PCB CIRCUIT	50
4. REAR DISPLAY PCB CIRCUIT	51



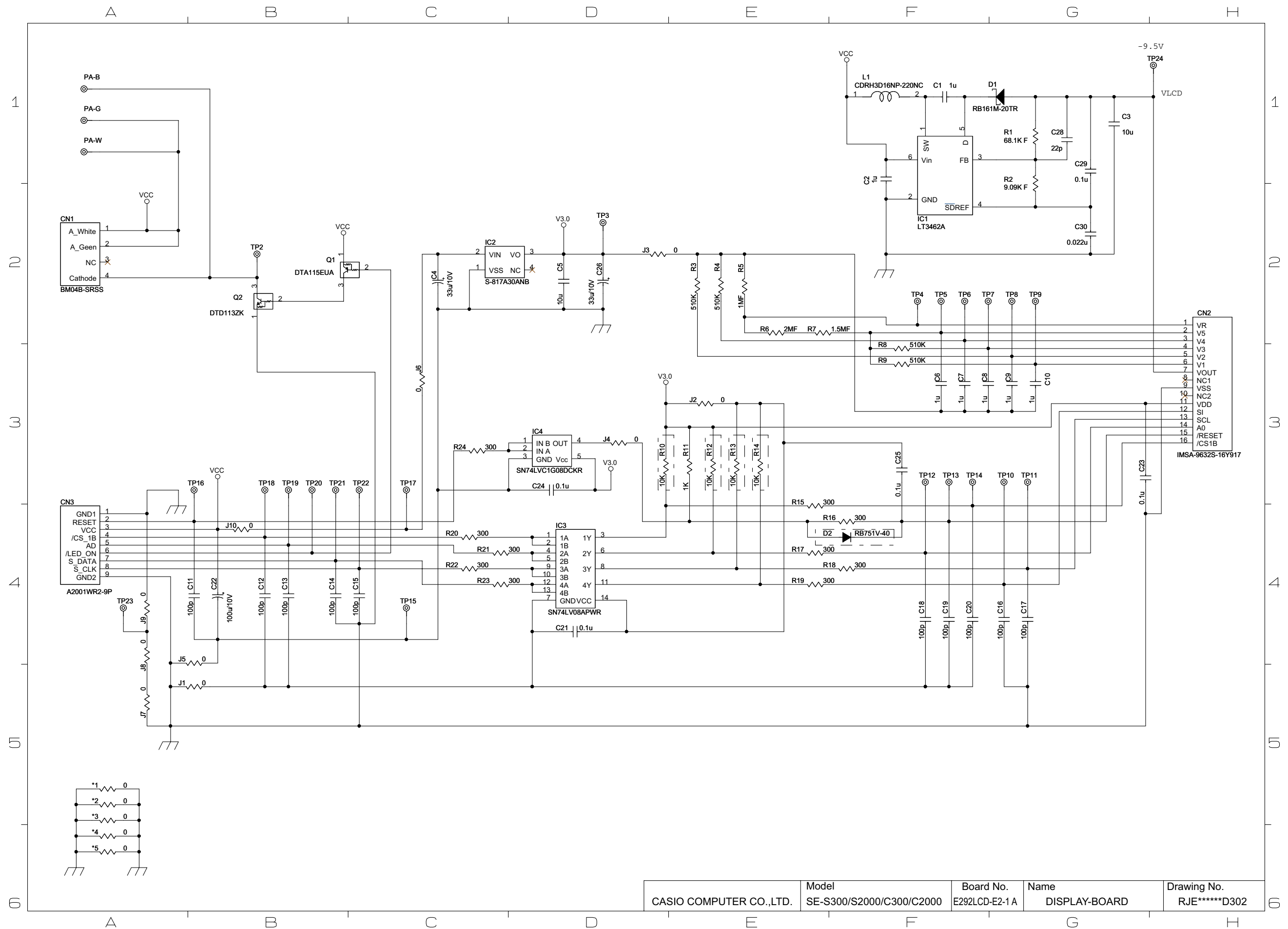


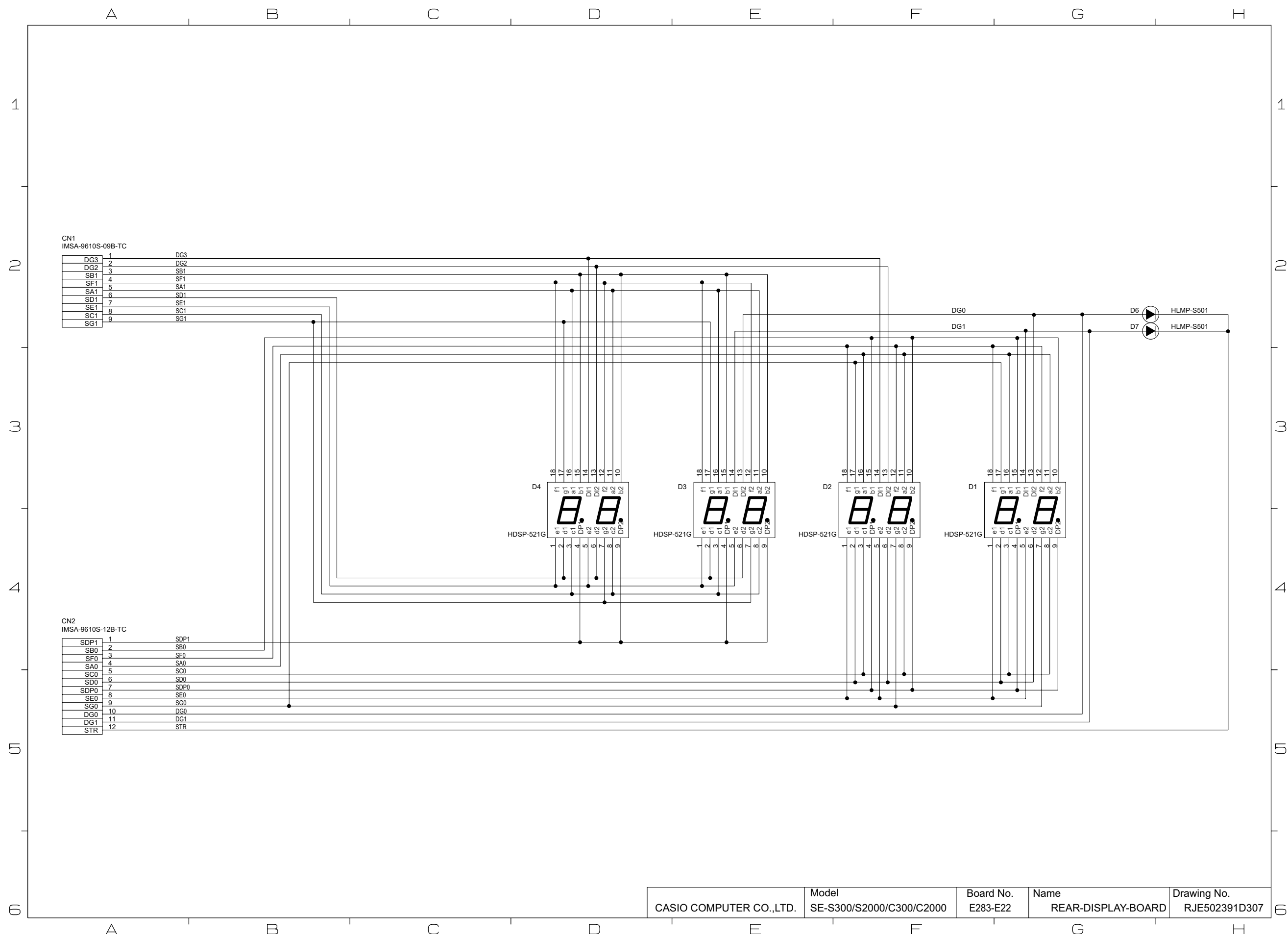


CASIO COMPUTER CO.,LTD.	Model SE-S300/S2000/C300/C2000	Board No. E292-1	Name MAIN BOARD 4/5 (LCD, KEY, LED)	Drawing No.
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CASIO COMPUTER CO.,LTD.	Model SE-S300/S2000/C300/C2000	Board No. E283-E22	Name CON BOARD	Drawing No.
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CASIO COMPUTER CO.,LTD.	Model SE-S300/S2000/C300/C2000	Board No. E283-E22	Name REAR-DISPLAY-BOARD	Drawing No. RJE502391D307
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9. PARTS LIST

SE series
SE-S300/SE-S2000/SE-C300/SE-C2000

TE series / TK series
TE-900/TE-1500/TK-950/TK-1550

PCR series
PCR-T48S/PCR-T470/PCR-T480/PCR-T470L/PCR-T480L
PCR-T220S/PCR-T2100/PCR-T2200/PCR-T2100L/PCR-T2200L

(EX-292/EX-293/EX-592/EX-593)

EXPLODED VIEW

BODY	53
BUTTON BLOCK (STROKE)	54
BUTTON BLOCK (COMBINATION)	55

PARTS LIST

SE series	56
SE-S300/SE-S2000/SE-C300/SE-C2000	
TE series / TK series	60
TE-900/TE-1500/TK-950/TK-1550	
PCR series	64
PCR-T48S/PCR-T470/PCR-T480/PCR-T470L/PCR-T480L	
PCR-T220S/PCR-T2100/PCR-T2200/PCR-T2100L/PCR-T2200L	

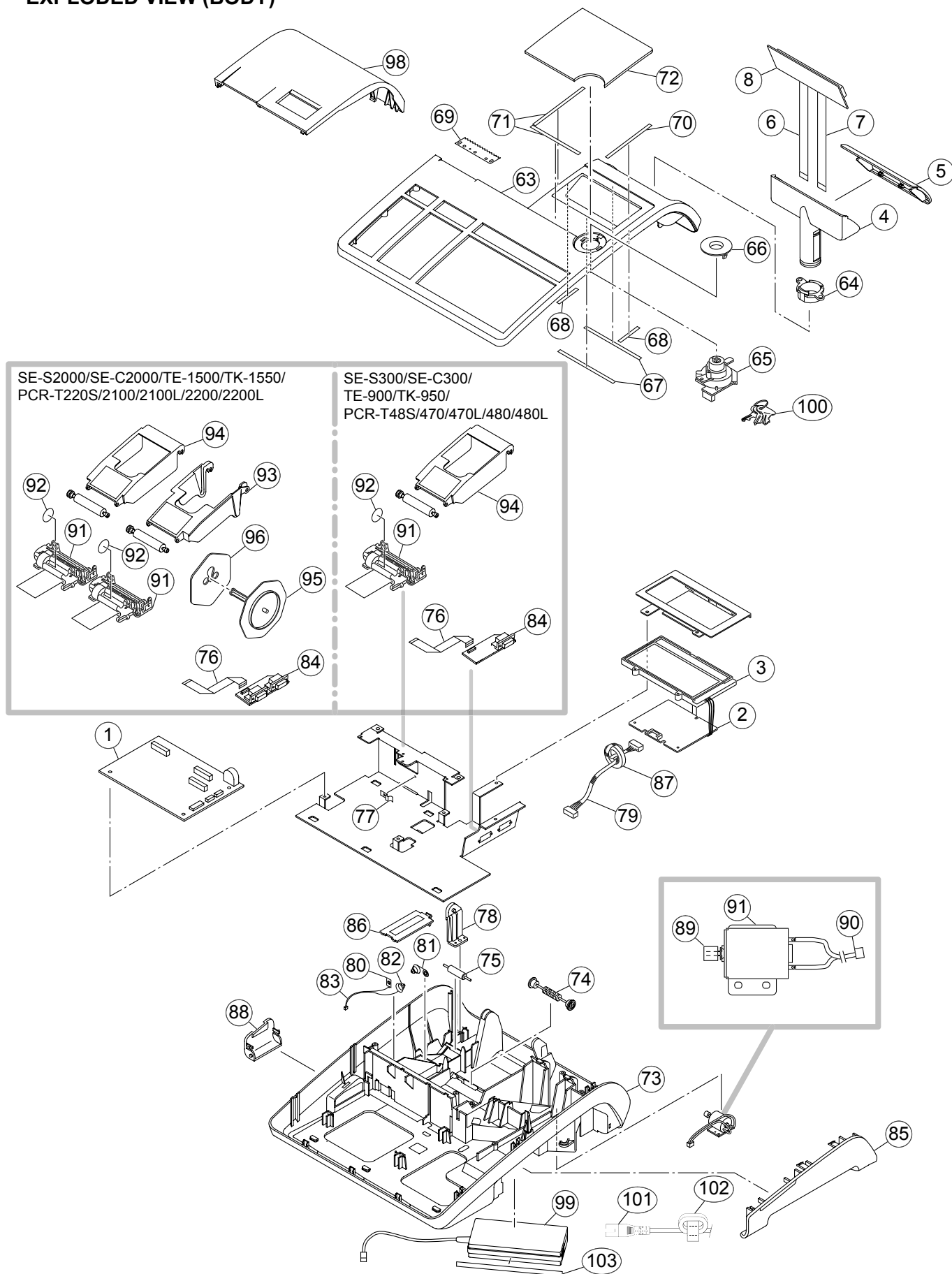
DRAWER

DRAWER S type	68
DL-1331/DL-1332/DL-1842	
DRAWER M type	70
DL-2800/DL-2801/DL-2802/DL-2803/DL-2804/DL-2805/DL-2806/DL-2807/DL-2432/DL-2433	

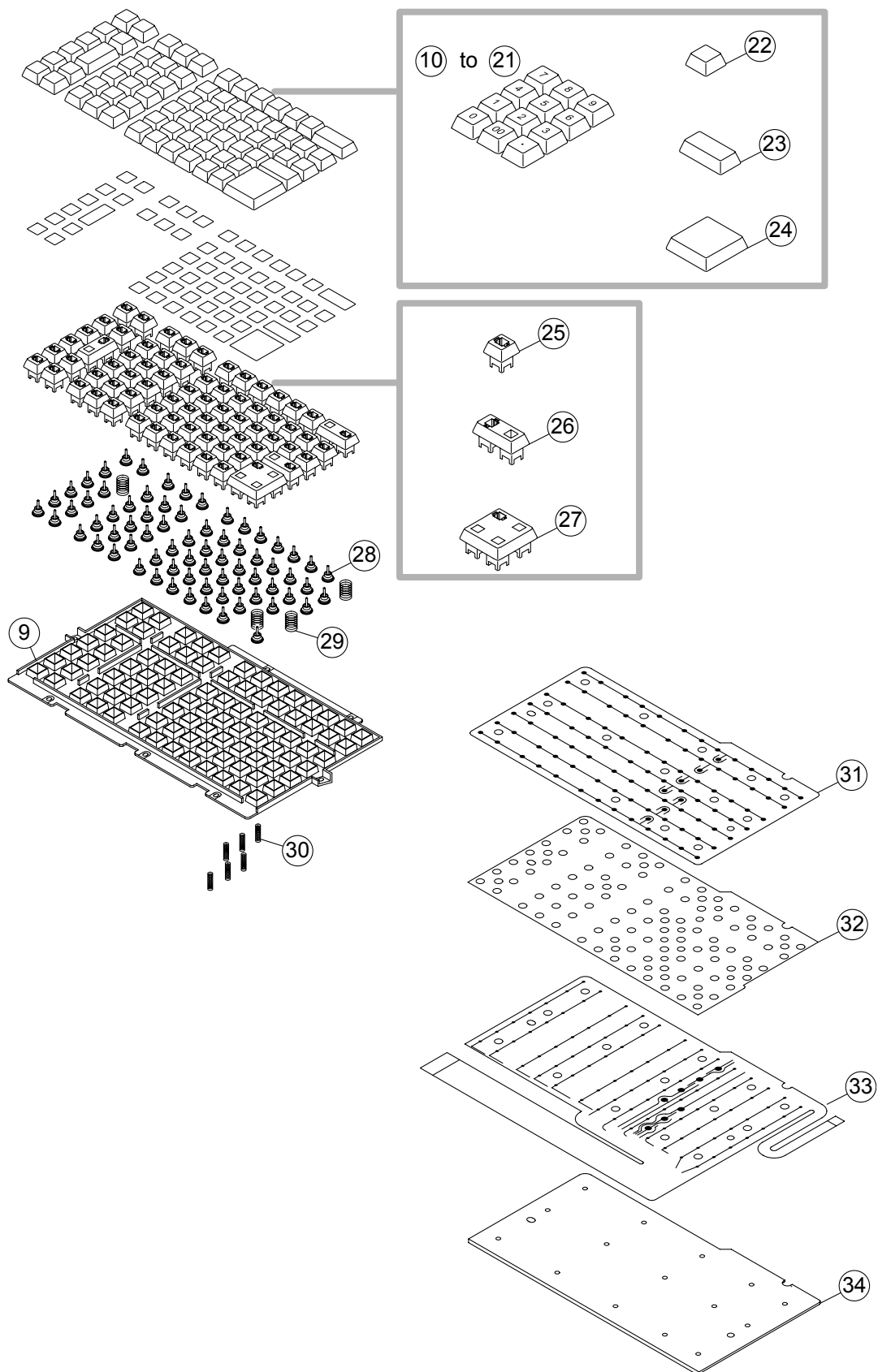
NOTES :

1. Price and specifications are subject to change without prior notice.
2. As for spare parts order and supply, refer to the "GUIDEBOOK for Spare Parts Supply", published separately.
3. The numbers in item column correspond to the same numbers in drawing.
4. CASIO does not supply the spare parts without parts code.
5. Remarks
Q'ty: Quantity used per unit
RANK: A = Essential
 B = Stock recommended
 C = Less recommended
 X = No stock recommended

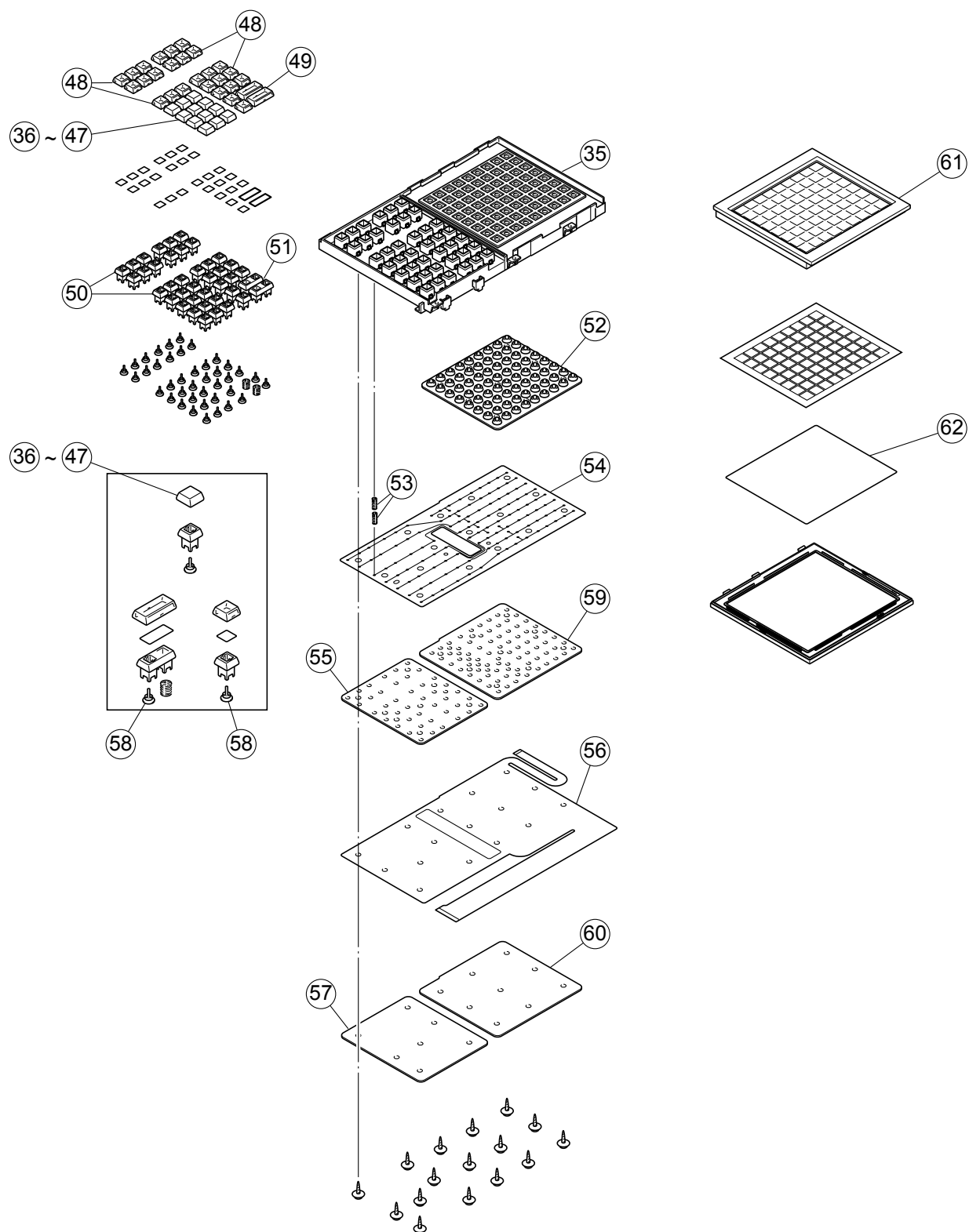
EXPLODED VIEW (BODY)



BUTTON BLOCK (STROKE) SE-S300/SE-S2000/TE-900/TE-1500/PCR series



BUTTON BLOCK (COMBINATION) SE-C300/SE-C2000/TK-950/TK-1550



- 1 SE-S300
2 SE-S2000
3 SE-C300
4 SE-C2000

N	Item	Code No.	Parts Name	Specification	Q				Price code	R	Remarks
					1	2	3	4			
1.MAIN PCB BLOCK											
	1	10306296	PCB ASSY/E292-1	TK-RJE502623*001	1		1			A	
	1	10306297	PCB ASSY/E292-1	TK-RJE502623*002		1		1		A	
	C5,C29,C45,C48,C60,C61,C103	10216488	AL CAPACITOR	RE3-16V101ME3#	7	7	7	7		A	
	IC11	10003984	IC/MOS	SN74LV00APWR	1	1	1	1		A	
	IC12,IC16	10005659	IC/MOS	SN74LV08APWR	2	2	2	2		A	
	IC3	10007179	IC/MOS	SN74LV10APWR	1	1	1	1		A	
	IC9,IC10	10275578	IC/MOS	SN74LVC374APWR	2	2	2	2		A	
	IC30	10100704	IC/MOS	SN74LVC2G04DCKR	1	1	1	1		A	
	D2,D4	10157825	DIODE	RB520G-30T2R	2	2	2	2		A	
	Q2	10028955	FET	2SK3018T106	1	1	1	1		A	
	IC17	10116986	IC	SN74AHCT1G08DCKR	1	1	1	1		A	
	IC23	10214145	IC	BA2903F-E2	1		1			A	
	IC22,IC23	10214145	IC	BA2903F-E2		2		2		A	
	IC2	10241776	IC	BA50BC0T	1	1	1	1		A	
	IC25	10278149	IC	BD7050EFV-E2	1		1			A	
	IC24,IC25	10278149	IC	BD7050EFV-E2		2		2		A	
	IC6	10295605	IC	MAX3243ECPWR	1		1			A	
	IC5,IC6	10295605	IC	MAX3243ECPWR		2		2		A	
	IC18	10275575	IC	RV5C348A-E2-FB	1	1	1	1		A	
	IC13	10132445	IC	SN74LVC1G00DCKR	1	1	1	1		A	
	IC29	10184975	IC	SN74LVC2G74DCUR	1	1	1	1		A	
	IC21,IC26,IC27	10005721	IC	SN74LV244APWR		3		3		A	
	IC1	10251631	IC	XC6108N10AMR	1	1	1	1		A	
	IC7	10275826	IC	XC61CN2402MR	1	1	1	1		A	
	IC4	10275573	IC	XC6215B332MR	1	1	1	1		A	
	IC15	10256784	LSI	CY62146EV30LL45ZST	1	1	1	1		A	
	IC14	10194558	LSI	S29JL032H70TFI020	1	1	1	1		A	
	IC8	10299661	LSI	UPD70F3733GJUENABB	1	1	1	1		A	
	D1,D5,D7-D22	10009218	DIODE	1SS400TE61	18	18	18	18		B	
	Q5	10275630	MOSFET/CHIP	RTF010P02TL	1	1	1	1		B	
	Q13	10275631	MOSFET/CHIP	RTF025N03TL	1	1	1	1		B	
	D6,D23	23902058	DIODE/CHIP	1SR154-400TE25	2	2	2	2		B	
	D3	10275792	DIODE/CHIP	RB160M-30TR	1	1	1	1		B	
	Q8-Q10,Q12	10120138	TRANSISTOR	2SA2018-TL	4	4	4	4		B	
	Q3,Q6,Q7,Q11	25902697	TRANSISTOR/DIGITAL	DTC114EETL	4	4	4	4		B	
	C102	10204411	CAPACITOR/ELECTROLYTIC	RE3-16V332MI6#	1	1	1	1		B	
	Q1	22501601	TRANSISTOR	2SC4617TLQ	1	1	1	1		B	
	Q4	10288938	TRANSISTOR	RHP030N03	1	1	1	1		B	
	Q14	10241779	TRANSISTOR	RSS090P03TB	1	1	1	1		B	
	FU1	10225980	FUSE	230.600MXP	1	1	1	1		A	
	SP1	10241792	BUZZER	AW1S22TEP-251Z	1	1	1	1		C	
	IC19,IC20	10295606	IC/MONOLITHIC	ULN2003ADR	2	2	2	2		A	
2.MAIN DISPLAY BLOCK											
	2	10306298	PCB ASSY/E292LCD-E2-1	TK-RJE502626*001	1	1	1	1		A	
	3	10288659	LCD UNIT	JIC-MSGF10360-06	1	1	1	1		A	
	IC1	10294213	IC	LT3462AES6#TRPBF	1	1	1	1		A	
	IC2	10197366	IC	S-817A30ANB-CUTT2G	1	1	1	1		A	
	IC3	10005659	CMOS IC	SN74LV08APWR	1	1	1	1		A	
	IC4	10207634	IC	SN74LVC1G08DCKR	1	1	1	1		A	
	Q1	10127459	TRANSISTOR/DIGITAL	DTA115EUAT106	1	1	1	1		C	
	Q2	22592781	TRANSISTOR/DIGITAL	DTD113ZKT146	1	1	1	1		C	
	CN2	10204342	CONNECTOR	IMSA-9632S-16Y917	1	1	1	1		C	
	CN3	10273693	CONNECTOR	A2001WR2-9P	1	1	1	1		C	

- 1 SE-S300
2 SE-S2000
3 SE-C300
4 SE-C2000

N	Item	Code No.	Parts Name	Specification	Q				Price code	R	Remarks
					1	2	3	4			
3.CUSTOMER DISPLAY BLOCK											
	4	10272394	CASE/REAR DISPLAY	RJE502341-001V01	1	1	1	1		C	
	5	10272398	PANEL/REAR DISPLAY	RJE502347-001V01	1	1	1	1		C	
	6	10275915	CABLE/FFC JOINER	E441341-011V01	1	1	1	1		C	
	7	10275916	CABLE/FFC JOINER	E441341-012V01	1	1	1	1		C	
	8	10275677	PCB ASSY/E283-E22	RJE502385*001V01	1	1	1	1		A	
	D1,D2,D3,D4	10072597	LED/7SEG	HDSP-521G	4	4	4	4		B	
4.BUTTON BLOCK (STROKE)											
	9	10291844	FLAME/KEY	RJE502288-001V02	1	1				X	
	10	10295298	BUTTON/1	RJE501915-037V01	1	1				X	
	11	10295299	BUTTON/2	RJE501915-038V01	1	1				X	
	12	10295300	BUTTON/3	RJE501915-039V01	1	1				X	
	13	10295301	BUTTON/4	RJE501915-040V01	1	1				X	
	14	10295302	BUTTON/5	RJE501915-041V01	1	1				X	
	15	10295303	BUTTON/6	RJE501915-042V01	1	1				X	
	16	10295304	BUTTON/7	RJE501915-043V01	1	1				X	
	17	10295325	BUTTON/8	RJE501915-044V01	1	1				X	
	18	10295326	BUTTON/9	RJE501915-045V01	1	1				X	
	19	10300642	BUTTON/0	RJE501915-046V02	1	1				X	
	20	10300643	BUTTON/.	RJE501915-047V02	1	1				X	
	21	10300644	BUTTON/00	RJE501915-048V02	1	1				X	
	22	10241195	CAP/S	E341251-002V02	51	56				A	
	23	10241196	CAP/L	RJE500370-002V02	3	3				A	
	24	10274307	CAP/LLL	RJE500374-002V02	1	1				A	
	25	10072609	KEYTOP/S	E341250-1	63	68				A	
	26	10233587	KEYTOP/L	RJE500369-004V02	3	3				A	
	27	10235021	KEYTOP/LLL	RJE500372-003V02	1	1				A	
	28	10166869	RUBBER/CONTACT	RJE501209-001V01	67	72				B	
	29	10072611	SPRING/COMPRESS	E441298-1	4	4				C	
	30	10072612	SPRING/COMPRESS	E441298-2	6	6				C	
	31	10276423	SHEET/COMMON	RJE502283-001V01	1	1				B	
	32	10276424	SPACER	RJE502284-001V01	1	1				C	
	33	10276422	SHEET/FPC	RJE502282-001V01	1	1				B	
	34	10274354	CHASSIS/BUTTON	RJE502285-001V01	1	1				C	
5.BUTTON BLOCK (COMBINATION)											
	35	10291843	FLAME/KEY	RJE502272-002V02			1	1		X	
	36	10300645	BUTTON/1	RJE501915-049V02			1	1		X	
	37	10300646	BUTTON/2	RJE501915-050V02			1	1		X	
	38	10300647	BUTTON/3	RJE501915-051V02			1	1		X	
	39	10300649	BUTTON/4	RJE501915-052V02			1	1		X	
	40	10300650	BUTTON/5	RJE501915-053V02			1	1		X	
	41	10300651	BUTTON/6	RJE501915-054V02			1	1		X	
	42	10300652	BUTTON/7	RJE501915-055V02			1	1		X	
	43	10300653	BUTTON/8	RJE501915-056V02			1	1		X	
	44	10300654	BUTTON/9	RJE501915-057V02			1	1		X	
	45	10300655	BUTTON/0	RJE501915-058V02			1	1		X	
	46	10300656	BUTTON/.	RJE501915-059V02			1	1		X	
	47	10299891	BUTTON/00	RJE501915-060V02			1	1		X	
	48	10241195	CAP/S	E341251-002V02			26	26		A	
	49	10241196	CAP/L	RJE500370-002V02			2	2		A	
	50	10088889	KEYTOP/S	E341250-2			38	38		A	
	51	10241194	KEYTOP/L	RJE500369-002V02			2	2		A	
	52	10276644	RUBBER/CONTACT	RJE502275-001V01			1	1		B	
	53	10072611	SPRING/COMPRESS	E441298-1			2	2		C	
	54	10276639	SHEET/COMMON	RJE502268-001V01			1	1		C	

- 1 SE-S300
2 SE-S2000
3 SE-C300
4 SE-C2000

N	Item	Code No.	Parts Name	Specification	Q				Price code	R	Remarks
					1	2	3	4			
	55	10276640	SPACER	RJE502269-001V01			1	1		C	
	56	10276638	SHEET/FPC	RJE502267-001V01			1	1		B	
	57	10276642	CHASSIS/BUTTON	RJE502270-001V01			1	1		C	
	58	10166869	RUBBER/CONTACT	RJE501209-001V01				40		B	
	59	10276641	SPACER	RJE502269-002V01			1	1		C	
	60	10276643	CHASSIS/BUTTON	RJE502271-001V01			1	1		C	
	61	10276743	SHEET/NO SLIP	RJE502277-001V01			1	1		B	
	62	10276740	COVER/SHEET	RJE502435-001V01			1	1		B	
6.UPPER CASE BLOCK											
	63	10294951	CASE/UPPER	RJE502348-005V01	1					C	
	63	10294958	CASE/UPPER	RJE502348-007V01		1				C	
	63	10294885	CASE/UPPER	RJE502348-009V01			1			C	
	63	10294894	CASE/UPPER	RJE502348-010V01				1		C	
	64	10269751	BUSH/REAR DISPLAY	RJE502265-001V01	1	1				C	
	64	10276416	BUSH/REAR DISPLAY	RJE502265-002V01			1	1		C	
	65	10072504	SWITCH ASSY/MODE KEY	E341249*1	1	1	1	1		B	
	66	10291888	COVER/MK	RJE502607-001V01	1	1	1	1		C	
	67	10242021	CUSHION/LCD	RJE500743-003V01	2	2	2	2		X	
	68	10242022	CUSHION/LCD	RJE500743-004V01	2	2	2	2		X	
	69	10236319	CUTTER/PAPER	E441364-003V02	1	1	1	1		C	
	70	10284497	TAPE/ADHESIVE	RJE502542-002V01	1	1	1	1		X	
	71	10284495	TAPE/ADHESIVE	RJE502542-003V01	2	2	2	2		X	
	72	10291886	PANEL/DISPLAY	RJE502606-001V01	1					C	
	72	10294959	PANEL/DISPLAY	RJE502606-004V01		1				C	
	72	10294886	PANEL/DISPLAY	RJE502606-007V01			1			C	
	72	10294887	PANEL/DISPLAY	RJE502606-009V01				1		C	
7.LOWER CASE BLOCK											
	73	10291880	CASE/LOWER	RJE502598-001V01	1					C	
	73	10291881	CASE/LOWER	RJE502598-002V01			1			C	
	73	10291882	CASE/LOWER	RJE502598-003V01		1				C	
	73	10291883	CASE/LOWER	RJE502598-004V01				1		C	
	74	10142488	ROLLER/RP	RJE500850-001V01	1	1	1	1		B	
	75	10236328	ROLLER/RP	RJE500121-001V02		1		1		B	
	76	10291407	CABLE/FFC JOINER	E441341-014V02	1	1	1	1		B	
	77	10292223	HOLDER/IC	RJE502611-001V01	1	1	1	1		C	
	78	10276594	PIVOT	RJE502342-001V01		1				C	
	78	10276595	PIVOT	RJE502342-002V01				1		C	
	79	10282328	CABLE	RJE502396*001V02	1	1	1	1		B	
	80	63452238	SPRING/BATTERY	A42606B-1	1	1	1	1		C	
	81	10294939	SPRING/BATTERY	RJE502620-001V01	1	1	1	1		C	
	82	10294940	SPRING/BATTERY	RJE502622-001V01	1	1	1	1		C	
	83	10282081	CABLE/BATTERY	RJE502392*001V02	1	1	1	1		C	
	84	10306299	PCB ASSY/E292-COM	TK-RJE502628*001	1					A	
	84	10306300	PCB ASSY/E292-COM	TK-RJE502628*002		1		1		A	
	85	10291846	COVER/CONNECTOR	RJE502339-001V02	1	1				C	
	85	10291847	COVER/CONNECTOR	RJE502339-002V02			1	1		C	
	86	10291884	COVER/BATTERY	RJE502601-001V01	1	1				C	
	86	10291885	COVER/BATTERY	RJE502601-002V01			1	1		C	
	87	10248009	CORE/FERRITE	TR-22-14-6.5	1	1	1	1		X	
	88	10292218	COVER/CONNECTOR/RAC	RJE502602-001V01	1	1				C	
	88	10292219	COVER/CONNECTOR/RAC	RJE502602-002V01			1	1		C	
8.MOTOR BLOCK											
	89	10234746	RUBBER/WINDER	RJE502008-001V01	1	1	1	1		C	
	90	10282326	CONNECTOR ASSY/MOTOR	RJE502393*001V02	1	1	1	1		C	
	91	10264935	MOTOR	WRF-370C-13380	1	1	1	1		B	

- 1 SE-S300
2 SE-S2000
3 SE-C300
4 SE-C2000

N	Item	Code No.	Parts Name	Specification	Q				Price code	R	Remarks
					1	2	3	4			
9.PRINTER BLOCK											
	92	10272412	PRINTER/THERMAL	FTP-628MCL518#67	1	2	1	2		A	
	93	10262839	STOPPER	RJE502189-001V01	1	2	1	2		C	
	94	10287458	ARM/PLATEN J	RJE502343-001V02	1	1	1	1		C	
	95	10272396	ARM/PLATEN R	RJE502344-001V01		1		1		C	
	96	10298675	PULLY/WIND	RJE501880-001V02	1	1	1	1		A	
	97	10285007	SPOOL/PAPER	RJE502545-001V01	1	1	1	1		A	
	98	10294917	COVER/PRINTER	RJE502345-006V01	1	1				C	
	98	10294923	COVER/PRINTER	RJE502345-007V01			1	1		C	
10.OTHERS											
	99	10276596	AC ADAPTOR	SO1224A	1	1	1	1		C	
	100	10254924	KEY SET/MODE SW	RJE500074*002V03	1	1	1	1		C	
	101	10300534	CORD/POWER	2166H10C3						C	USA
	102	30008016	CORE/FERRITE	TFC-23-11-14	1	1	1	1		X	
	103	10127255	CUSHION	RJE500743-001V01	1	1	1	1		X	

- 1 TE-900
2 TE-1500
3 TK-950
4 TK-1550

N	Item	Code No.	Parts Name	Specification	Q				Price code	R	Remarks
					1	2	3	4			
1.MAIN PCB BLOCK											
	1	10306296	PCB ASSY/E292-1	TK-RJE502623*001	1		1			A	
	1	10306297	PCB ASSY/E292-1	TK-RJE502623*002		1		1		A	
	C5,C29,C45,C48, C60,C61,C103	10216488	AL CAPACITOR	RE3-16V101ME3#	7	7	7	7		A	
	IC11	10003984	IC/MOS	SN74LV00APWR	1	1	1	1		A	
	IC12,IC16	10005659	IC/MOS	SN74LV08APWR	2	2	2	2		A	
	IC3	10007179	IC/MOS	SN74LV10APWR	1	1	1	1		A	
	IC9,IC10	10275578	IC/MOS	SN74LVC374APWR	2	2	2	2		A	
	IC30	10100704	IC/MOS	SN74LVC2G04DCKR	1	1	1	1		A	
	D2,D4	10157825	DIODE	RB520G-30T2R	2	2	2	2		A	
	Q2	10028955	FET	2SK3018T106	1	1	1	1		A	
	IC17	10116986	IC	SN74AHCT1G08DCKR	1	1	1	1		A	
	IC23	10214145	IC	BA2903F-E2	1		1			A	
	IC22,IC23	10214145	IC	BA2903F-E2		2		2		A	
	IC2	10241776	IC	BA50BC0T	1	1	1	1		A	
	IC25	10278149	IC	BD7050EFV-E2	1		1			A	
	IC24,IC25	10278149	IC	BD7050EFV-E2		2		2		A	
	IC6	10295605	IC	MAX3243ECPWR	1		1			A	
	IC5,IC6	10295605	IC	MAX3243ECPWR		2		2		A	
	IC18	10275575	IC	RV5C348A-E2-FB	1	1	1	1		A	
	IC13	10132445	IC	SN74LVC1G00DCKR	1	1	1	1		A	
	IC29	10184975	IC	SN74LVC2G74DCUR	1	1	1	1		A	
	IC21,IC26,IC27	10005721	IC	SN74LV244APWR		3		3		A	
	IC1	10251631	IC	XC6108N10AMR	1	1	1	1		A	
	IC7	10275826	IC	XC61CN2402MR	1	1	1	1		A	
	IC4	10275573	IC	XC6215B332MR	1	1	1	1		A	
	IC15	10256784	LSI	CY62146EV30LL45ZST	1	1	1	1		A	
	IC14	10194558	LSI	S29JL032H70TFI020	1	1	1	1		A	
	IC8	10299661	LSI	UPD70F3733GJUENABB	1	1	1	1		A	
	D1,D5,D7-D22	10009218	DIODE	1SS400TE61	18	18	18	18		B	
	Q5	10275630	MOSFET/CHIP	RTF010P02TL	1	1	1	1		B	
	Q13	10275631	MOSFET/CHIP	RTF025N03TL	1	1	1	1		B	
	D6,D23	23902058	DIODE/CHIP	1SR154-400TE25	2	2	2	2		B	
	D3	10275792	DIODE/CHIP	RB160M-30TR	1	1	1	1		B	
	Q8-Q10,Q12	10120138	TRANSISTOR	2SA2018-TL	4	4	4	4		B	
	Q3,Q6,Q7,Q11	25902697	TRANSISTOR/DIGITAL	DTC114EETL	4	4	4	4		B	
	C102	10204411	CAPACITOR/ELECTROLYTIC	RE3-16V332MI6#	1	1	1	1		B	
	Q1	22501601	TRANSISTOR	2SC4617TLQ	1	1	1	1		B	
	Q4	10288938	TRANSISTOR	RHP030N03	1	1	1	1		B	
	Q14	10241779	TRANSISTOR	RSS090P03TB	1	1	1	1		B	
	FU1	10225980	FUSE	230.600MXP	1	1	1	1		A	
	SP1	10241792	BUZZER	AW1S22TEP-251Z	1	1	1	1		C	
	IC19,IC20	10295606	IC/MONOLITHIC	ULN2003ADR	2	2	2	2		A	
2.MAIN DISPLAY BLOCK											
	2	10306298	PCB ASSY/E292LCD-E2-1	TK-RJE502626*001	1	1	1	1		A	
	3	10288659	LCD UNIT	JIC-MSGF10360-06	1	1	1	1		A	
	IC1	10294213	IC	LT3462AES6#TRPBF	1	1	1	1		A	
	IC2	10197366	IC	S-817A30ANB-CUTT2G	1	1	1	1		A	
	IC3	10005659	CMOS IC	SN74LV08APWR	1	1	1	1		A	
	IC4	10207634	IC	SN74LVC1G08DCKR	1	1	1	1		A	
	Q1	10127459	TRANSISTOR/DIGITAL	DTA115EUAT106	1	1	1	1		C	
	Q2	22592781	TRANSISTOR/DIGITAL	DTD113ZKT146	1	1	1	1		C	
	CN2	10204342	CONNECTOR	IMSA-9632S-16Y917	1	1	1	1		C	
	CN3	10273693	CONNECTOR	A2001WR2-9P	1	1	1	1		C	

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N	Item	Code No.	Parts Name	Specification	Q				Price code	R	Remarks
					1	2	3	4			
3.CUSTOMER DISPLAY BLOCK											
	4	10272394	CASE/REAR DISPLAY	RJE502341-001V01	1	1	1	1		C	
	5	10272398	PANEL/REAR DISPLAY	RJE502347-001V01	1	1	1	1		C	
	6	10275915	CABLE/FFC JOINER	E441341-011V01	1	1	1	1		C	
	7	10275916	CABLE/FFC JOINER	E441341-012V01	1	1	1	1		C	
	8	10275677	PCB ASSY/E283-E22	RJE502385*001V01	1	1	1	1		A	
	D1,D2,D3,D4	10072597	LED/7SEG	HDSP-521G	4	4	4	4		B	
4.BUTTON BLOCK (STROKE)											
	9	10291845	FLAME/KEY	RJE502288-002V02	1	1				X	
	10	10300645	BUTTON/1	RJE501915-049V02	1	1				X	
	11	10300646	BUTTON/2	RJE501915-050V02	1	1				X	
	12	10300647	BUTTON/3	RJE501915-051V02	1	1				X	
	13	10300649	BUTTON/4	RJE501915-052V02	1	1				X	
	14	10300650	BUTTON/5	RJE501915-053V02	1	1				X	
	15	10300651	BUTTON/6	RJE501915-054V02	1	1				X	
	16	10300652	BUTTON/7	RJE501915-055V02	1	1				X	
	17	10300653	BUTTON/8	RJE501915-056V02	1	1				X	
	18	10300654	BUTTON/9	RJE501915-057V02	1	1				X	
	19	10300655	BUTTON/0	RJE501915-058V02	1	1				X	
	20	10300656	BUTTON/.	RJE501915-059V02	1	1				X	
	21	10299891	BUTTON/00	RJE501915-060V02	1	1				X	
	22	10241195	CAP/S	E341251-002V02	51	58				A	
	23	10241196	CAP/L	RJE500370-002V02	3	2				A	
	24	10274307	CAP/LLL	RJE500374-002V02	1	1				A	
	25	10088889	KEYTOP/S	E341250-2	63	70				A	
	26	10241194	KEYTOP/L	RJE500369-002V02	3	2				A	
	27	10276421	KEYTOP/LLL	RJE500372-002V02	1	1				A	
	28	10166869	RUBBER/CONTACT	RJE501209-001V01	67	73				B	
	29	10072611	SPRING/COMPRESS	E441298-1	4	3				C	
	30	10072612	SPRING/COMPRESS	E441298-2	6	6				C	
	31	10276423	SHEET/COMMON	RJE502283-001V01	1	1				B	
	32	10276424	SPACER	RJE502284-001V01	1	1				C	
	33	10276422	SHEET/FPC	RJE502282-001V01	1	1				B	
	34	10274354	CHASSIS/BUTTON	RJE502285-001V01	1	1				C	
5.BUTTON BLOCK (COMBINATION)											
	35	10291843	FLAME/KEY	RJE502272-002V02			1	1		X	
	36	10300645	BUTTON/1	RJE501915-049V02			1	1		X	
	37	10300646	BUTTON/2	RJE501915-050V02			1	1		X	
	38	10300647	BUTTON/3	RJE501915-051V02			1	1		X	
	39	10300649	BUTTON/4	RJE501915-052V02			1	1		X	
	40	10300650	BUTTON/5	RJE501915-053V02			1	1		X	
	41	10300651	BUTTON/6	RJE501915-054V02			1	1		X	
	42	10300652	BUTTON/7	RJE501915-055V02			1	1		X	
	43	10300653	BUTTON/8	RJE501915-056V02			1	1		X	
	44	10300654	BUTTON/9	RJE501915-057V02			1	1		X	
	45	10300655	BUTTON/0	RJE501915-058V02			1	1		X	
	46	10300656	BUTTON/.	RJE501915-059V02			1	1		X	
	47	10299891	BUTTON/00	RJE501915-060V02			1	1		X	
	48	10241195	CAP/S	E341251-002V02			26	26		A	
	49	10241196	CAP/L	RJE500370-002V02			2	2		A	
	50	10088889	KEYTOP/S	E341250-2			38	38		A	
	51	10241194	KEYTOP/L	RJE500369-002V02			2	2		A	
	52	10276644	RUBBER/CONTACT	RJE502275-001V01			1	1		B	
	53	10072611	SPRING/COMPRESS	E441298-1			2	2		C	

- 1 TE-900
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N	Item	Code No.	Parts Name	Specification	Q				Price code	R	Remarks
					1	2	3	4			
54		10276639	SHEET/COMMON	RJE502268-001V01			1	1			
55		10276640	SPACER	RJE502269-001V01			1	1		C	
56		10276638	SHEET/FPC	RJE502267-001V01			1	1		B	
57		10276642	CHASSIS/BUTTON	RJE502270-001V01			1	1		C	
58		10166869	RUBBER/CONTACT	RJE501209-001V01			40	40		B	
59		10276641	SPACER	RJE502269-002V01			1	1		C	
60		10276643	CHASSIS/BUTTON	RJE502271-001V01			1	1		C	
61		10276743	SHEET/NO SLIP	RJE502277-001V01			1	1		B	
62		10276740	COVER/SHEET	RJE502435-001V01			1	1		B	
6.UPPER CASE BLOCK											
63		10294954	CASE/UPPER	RJE502348-006V01	1					C	
63		10294882	CASE/UPPER	RJE502348-008V01		1				C	
63		10294885	CASE/UPPER	RJE502348-009V01			1			C	
63		10294894	CASE/UPPER	RJE502348-010V01				1		C	
64		10276416	BUSH/REAR DISPLAY	RJE502265-002V01	1	1	1	1		C	
65		10072504	SWITCH ASSY/MODE KEY	E341249*1	1	1	1	1		B	
66		10291888	COVER/MK	RJE502607-001V01	1	1	1	1		C	
67		10242021	CUSHION/LCD	RJE500743-003V01	2	2	2	2		X	
68		10242022	CUSHION/LCD	RJE500743-004V01	2	2	2	2		X	
69		10236319	CUTTER/PAPER	E441364-003V02	1	1	1	1		C	
70		10284497	TAPE/ADHESIVE	RJE502542-002V01	1	1	1	1		X	
71		10284495	TAPE/ADHESIVE	RJE502542-003V01	2	2	2	2		X	
72		10295911	PANEL/DISPLAY	RJE502606-011V01	1					C	
72		10295913	PANEL/DISPLAY	RJE502606-012V01		1				C	
72		10295914	PANEL/DISPLAY	RJE502606-013V01			1			C	
72		10295916	PANEL/DISPLAY	RJE502606-014V01				1		C	
7.LOWER CASE BLOCK											
73		10291881	CASE/LOWER	RJE502598-002V01	1		1			C	
73		10291883	CASE/LOWER	RJE502598-004V01		1		1		C	
74		10142488	ROLLER/RP	RJE500850-001V01	1	1	1	1		B	
75		10236328	ROLLER/RP	RJE500121-001V02		1		1		B	
76		10291407	CABLE/FFC JOINER	E441341-014V02	1	1	1	1		B	
77		10292223	HOLDER/IC	RJE502611-001V01	1	1	1	1		C	
78		10276595	PIVOT	RJE502342-002V01		1		1		C	
79		10282328	CABLE	RJE502396*001V02	1	1	1	1		B	
80		63452238	SPRING/BATTERY	A42606B-1	1	1	1	1		C	
81		10294939	SPRING/BATTERY	RJE502620-001V01	1	1	1	1		C	
82		10294940	SPRING/BATTERY	RJE502622-001V01	1	1	1	1		C	
83		10282081	CABLE/BATTERY	RJE502392*001V02	1	1	1	1		C	
84		10306299	PCB ASSY/E292-COM	TK-RJE502628*001	1		1			A	
84		10306300	PCB ASSY/E292-COM	TK-RJE502628*002		1		1		A	
85		10291847	COVER/CONNECTOR	RJE502339-002V02	1	1	1	1		C	
86		10291885	COVER/BATTERY	RJE502601-002V01	1	1	1	1		C	
87		10248009	CORE/FERRITE	TR-22-14-6.5	1	1	1	1		X	
88		10292219	COVER/CONNECTOR/RAC	RJE502602-002V01	1	1	1	1		C	
8.MOTOR BLOCK											
89		10234746	RUBBER/WINDER	RJE502008-001V01	1	1	1	1		C	
90		10282326	CONNECTOR ASSY/MOTOR	RJE502393*001V02	1	1	1	1		C	
91		10264935	MOTOR	WRF-370C-13380	1	1	1	1		B	

- 1 TE-900
- 2 TE-1500
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N	Item	Code No.	Parts Name	Specification	Q				Price code	R	Remarks
					1	2	3	4			
9.PRINTER BLOCK											
	92	10272412	PRINTER/THERMAL	FTP-628MCL518#67	1	2	1	2		A	
	93	10262839	STOPPER	RJE502189-001V01	1	2	1	2		C	
	94	10287458	ARM/PLATEN J	RJE502343-001V02	1	1	1	1		C	
	95	10272396	ARM/PLATEN R	RJE502344-001V01		1		1		C	
	96	10298675	PULLY/WIND	RJE501880-001V02	1	1	1	1		A	
	97	10285007	SPOOL/PAPER	RJE502545-001V01	1	1	1	1		A	
	98	10294923	COVER/PRINTER	RJE502345-007V01	1	1	1	1		C	
10.OTHERS											
	99	10276596	AC ADAPTOR	SO1224A	1	1	1	1		C	USA
	100	10254924	KEY SET/MODE SW	RJE500074*002V03	1	1	1	1		C	
	101	10300534	CORD/POWER	2166H10C3						C	
	102	30008016	CORE/FERRITE	TFC-23-11-14	1	1	1	1		X	
	103	10127255	CUSHION	RJE500743-001V01	1	1	1	1		X	

1 PCR-T48S
2 PCR-T470
3 PCR-T480
4 PCR-T470L
5 PCR-T480L

6 PCR-T220S
7 PCR-T2100
8 PCR-T2200
9 PCR-T2100L
10 PCR-T2200L

N	Item	Code No.	Parts Name	Specification	Q										Price code	R
					1	2	3	4	5	6	7	8	9	10		
1.MAIN PCB BLOCK																
	1	10306296	PCB ASSY/E292-1	TK-RJE502623*001	1	1	1	1	1							A
	1	10306297	PCB ASSY/E292-1	TK-RJE502623*002						1	1	1	1	1		A
	C5,C29,C45,C48, C60,C61,C103	10216488	AL CAPACITOR	RE3-16V101ME3#	7	7	7	7	7	7	7	7	7	7		A
	IC11	10003984	IC/MOS	SN74LV00APWR	1	1	1	1	1	1	1	1	1	1		A
	IC12,IC16	10005659	IC/MOS	SN74LV08APWR	2	2	2	2	2	2	2	2	2	2		A
	IC3	10007179	IC/MOS	SN74LV10APWR	1	1	1	1	1	1	1	1	1	1		A
	IC9,IC10	10275578	IC/MOS	SN74LVC374APWR	2	2	2	2	2	2	2	2	2	2		A
	IC30	10100704	IC/MOS	SN74LVC2G04DCKR	1	1	1	1	1	1	1	1	1	1		A
	D2,D4	10157825	DIODE	RB520G-30T2R	2	2	2	2	2	2	2	2	2	2		A
	Q2	10028955	FET	2SK3018T106	1	1	1	1	1	1	1	1	1	1		A
	IC17	10116986	IC	SN74AHCT1G08DCKR	1	1	1	1	1	1	1	1	1	1		A
	IC23	10214145	IC	BA2903F-E2	1	1	1	1	1							A
	IC22,IC23	10214145	IC	BA2903F-E2						2	2	2	2	2		A
	IC2	10241776	IC	BA50BC0T	1	1	1	1	1	1	1	1	1	1		A
	IC25	10278149	IC	BD7050EFV-E2	1	1	1	1	1							A
	IC24,IC25	10278149	IC	BD7050EFV-E2						2	2	2	2	2		A
	IC6	10295605	IC	MAX3243ECPWR	1	1	1	1	1							A
	IC5,IC6	10295605	IC	MAX3243ECPWR						2	2	2	2	2		A
	IC18	10275575	IC	RV5C348A-E2-FB	1	1	1	1	1	1	1	1	1	1		A
	IC13	10132445	IC	SN74LVC1G00DCKR	1	1	1	1	1	1	1	1	1	1		A
	IC29	10184975	IC	SN74LVC2G74DCUR	1	1	1	1	1	1	1	1	1	1		A
	IC21,IC26,IC27	10005721	IC	SN74LV244APWR						3	3	3	3	3		A
	IC1	10251631	IC	XC6108N10AMR	1	1	1	1	1	1	1	1	1	1		A
	IC7	10275826	IC	XC61CN2402MR	1	1	1	1	1	1	1	1	1	1		A
	IC4	10275573	IC	XC6215B332MR	1	1	1	1	1	1	1	1	1	1		A
	IC15	10256784	LSI	CY62146EV30LL45ZST	1	1	1	1	1	1	1	1	1	1		A
	IC14	10194558	LSI	S29JL032H70TFI020	1	1	1	1	1	1	1	1	1	1		A
	IC8	10299661	LSI	UPD70F3733GJUENABB	1	1	1	1	1	1	1	1	1	1		A
	D1,D5,D7-D22	10009218	DIODE	1SS400TE61	18	18	18	18	18	18	18	18	18	18		B
	Q5	10275630	MOSFET/CHIP	RTF010P02TL	1	1	1	1	1	1	1	1	1	1		B
	Q13	10275631	MOSFET/CHIP	RTF025N03TL	1	1	1	1	1	1	1	1	1	1		B
	D6,D23	23902058	DIODE/CHIP	1SR154-400TE25	2	2	2	2	2	2	2	2	2	2		B
	D3	10275792	DIODE/CHIP	RB160M-30TR	1	1	1	1	1	1	1	1	1	1		B
	Q8-Q10,Q12	10120138	TRANSISTOR	2SA2018-TL	4	4	4	4	4	4	4	4	4	4		B
	Q3,Q6,Q7,Q11	25902697	TRANSISTOR/DIGITAL	DTC114EETL	4	4	4	4	4	4	4	4	4	4		B
	C102	10204411	CAPACITOR/ELECTROLYTIC	RE3-16V332MI6#	1	1	1	1	1	1	1	1	1	1		B
	Q1	22501601	TRANSISTOR	2SC4617TLQ	1	1	1	1	1	1	1	1	1	1		B
	Q4	10288938	TRANSISTOR	RHP030N03	1	1	1	1	1	1	1	1	1	1		B
	Q14	10241779	TRANSISTOR	RSS090P03TB	1	1	1	1	1	1	1	1	1	1		B
	FU1	10225980	FUSE	230.600MXP	1	1	1	1	1	1	1	1	1	1		A
	SP1	10241792	BUZZER	AW1S22TEP-251Z	1	1	1	1	1	1	1	1	1	1		C
	IC19,IC20	10295606	IC/MONOLITHIC	ULN2003ADR	2	2	2	2	2	2	2	2	2	2		A
2.MAIN DISPLAY BLOCK																
	2	10306298	PCB ASSY/E292LCD-E2-1	TK-RJE502626*001	1	1	1	1	1	1	1	1	1	1		A
	3	10288659	LCD UNIT	JIC-MSGF10360-06	1	1	1	1	1	1	1	1	1	1		A
	IC1	10294213	IC	LT3462AES6#TRPBF	1	1	1	1	1	1	1	1	1	1		A
	IC2	10197366	IC	S-817A30ANB-CUTT2G	1	1	1	1	1	1	1	1	1	1		A
	IC3	10005659	CMOS IC	SN74LV08APWR	1	1	1	1	1	1	1	1	1	1		A
	IC4	10207634	IC	SN74LVC1G08DCKR	1	1	1	1	1	1	1	1	1	1		A
	Q1	10127459	TRANSISTOR/DIGITAL	DTA115EUAT106	1	1	1	1	1	1	1	1	1	1		C
	Q2	22592781	TRANSISTOR/DIGITAL	DTD113ZKT146	1	1	1	1	1	1	1	1	1	1		C
	CN2	10204342	CONNECTOR	IMSA-9632S-16Y917	1	1	1	1	1	1	1	1	1	1		C
	CN3	10273693	CONNECTOR	A2001WR2-9P	1	1	1	1	1	1	1	1	1	1		C

1 PCR-T48S
2 PCR-T470
3 PCR-T480
4 PCR-T470L
5 PCR-T480L

6 PCR-T220S
7 PCR-T2100
8 PCR-T2200
9 PCR-T2100L
10 PCR-T2200L

N	Item	Code No.	Parts Name	Specification	Q										Price code	R
					1	2	3	4	5	6	7	8	9	10		
3.CUSTOMER DISPLAY BLOCK																
	4	10272394	CASE/REAR DISPLAY	RJE502341-001V01	1	1	1	1	1	1	1	1	1	1		C
	5	10272398	PANEL/REAR DISPLAY	RJE502347-001V01	1	1	1	1	1	1	1	1	1	1		C
	6	10275915	CABLE/FFC JOINER	E441341-011V01	1	1	1	1	1	1	1	1	1	1		C
	7	10275916	CABLE/FFC JOINER	E441341-012V01	1	1	1	1	1	1	1	1	1	1		C
	8	10275677	PCB ASSY/E283-E22	RJE502385*001V01	1	1	1	1	1	1	1	1	1	1		A
	D1,D2,D3,D4	10072597	LED/7SEG	HDSP-521G	4	4	4	4	4	4	4	4	4	4		B
4.BUTTON BLOCK (STROKE)																
	9	10291844	FLAME/KEY	RJE502288-001V02			1		1			1		1		X
	9	10291845	FLAME/KEY	RJE502288-002V02	1	1		1		1	1		1			X
10		10295298	BUTTON/1	RJE501915-037V01			1		1			1		1		X
10		10300645	BUTTON/1	RJE501915-049V02	1	1		1		1	1		1			X
11		10295299	BUTTON/2	RJE501915-038V01			1		1			1		1		X
11		10300646	BUTTON/2	RJE501915-050V02	1	1		1		1	1		1			X
12		10295300	BUTTON/3	RJE501915-039V01			1		1			1		1		X
12		10300647	BUTTON/3	RJE501915-051V02	1	1		1		1	1		1			X
13		10295301	BUTTON/4	RJE501915-040V01			1		1			1		1		X
13		10300649	BUTTON/4	RJE501915-052V02	1	1		1		1	1		1			X
14		10295302	BUTTON/5	RJE501915-041V01			1		1			1		1		X
14		10300650	BUTTON/5	RJE501915-053V02	1	1		1		1	1		1			X
15		10295303	BUTTON/6	RJE501915-042V01			1		1			1		1		X
15		10300651	BUTTON/6	RJE501915-054V02	1	1		1		1	1		1			X
16		10295304	BUTTON/7	RJE501915-043V01			1		1			1		1		X
16		10300652	BUTTON/7	RJE501915-055V02	1	1		1		1	1		1			X
17		10295325	BUTTON/8	RJE501915-044V01			1		1			1		1		X
17		10300653	BUTTON/8	RJE501915-056V02	1	1		1		1	1		1			X
18		10295326	BUTTON/9	RJE501915-045V01			1		1			1		1		X
18		10300654	BUTTON/9	RJE501915-057V02	1	1		1		1	1		1			X
19		10300642	BUTTON/0	RJE501915-046V02			1		1			1		1		X
19		10300655	BUTTON/0	RJE501915-058V02	1	1		1		1	1		1			X
20		10300643	BUTTON/.	RJE501915-047V02			1		1			1		1		X
20		10300656	BUTTON/.	RJE501915-059V02	1	1		1		1	1		1			X
21		10300644	BUTTON/00	RJE501915-048V02			1		1			1		1		X
21		10299891	BUTTON/00	RJE501915-060V02	1	1		1		1	1		1			X
22		10241195	CAP/S	E341251-002V02	51	51	51	51	51	58	58	58	58	58		A
23		10241196	CAP/L	RJE500370-002V02	3	3	3	3	3	2	2	2	2	2		A
24		10274307	CAP/LLL	RJE500374-002V02	1	1	1	1	1	1	1	1	1	1		A
25		10072609	KEYTOP/S	E341250-1			63		63			70		70		A
25		10088889	KEYTOP/S	E341250-2	63	63		63		70	70		70			A
26		10241194	KEYTOP/L	RJE500369-002V02	3	3		3		2	2		2			A
26		10233587	KEYTOP/L	RJE500369-004V02			3		3			2		2		A
27		10276421	KEYTOP/LLL	RJE500372-002V02	1	1		1		1	1		1			A
27		10235021	KEYTOP/LLL	RJE500372-003V02			1		1			1		1		A
28		10166869	RUBBER/CONTACT	RJE501209-001V01	67	67	67	67	67	73	73	73	73	73		B
29		10072611	SPRING/COMPRESS	E441298-1	4	4	4	4	4	3	3	3	3	3		C
30		10072612	SPRING/COMPRESS	E441298-2	6	6	6	6	6	6	6	6	6	6		C
31		10276423	SHEET/COMMON	RJE502283-001V01	1	1	1	1	1	1	1	1	1	1		B
32		10276424	SPACER	RJE502284-001V01	1	1	1	1	1	1	1	1	1	1		C
33		10276422	SHEET/FPC	RJE502282-001V01	1	1	1	1	1	1	1	1	1	1		B
34		10274354	CHASSIS/BUTTON	RJE502285-001V01	1	1	1	1	1	1	1	1	1	1		C

1 PCR-T48S
2 PCR-T470
3 PCR-T480
4 PCR-T470L
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6 PCR-T220S
7 PCR-T2100
8 PCR-T2200
9 PCR-T2100L
10 PCR-T2200L

N	Item	Code No.	Parts Name	Specification	Q										Price code	R
					1	2	3	4	5	6	7	8	9	10		
5.UPPER CASE BLOCK																
	63	10294951	CASE/UPPER	RJE502348-005V01			1		1							C
	63	10294954	CASE/UPPER	RJE502348-006V01	1	1		1								C
	63	10294958	CASE/UPPER	RJE502348-007V01								1		1		C
	63	10294882	CASE/UPPER	RJE502348-008V01						1	1		1			C
	64	10269751	BUSH/REAR DISPLAY	RJE502265-001V01			1		1			1		1		C
	64	10276416	BUSH/REAR DISPLAY	RJE502265-002V01	1	1		1		1	1		1			C
	65	10072504	SWITCH ASSY/MODE KEY	E341249*1	1	1	1	1	1	1	1	1	1	1		B
	66	10291888	COVER/MK	RJE502607-001V01	1	1	1	1	1	1	1	1	1	1		C
	67	10242021	CUSHION/LCD	RJE500743-003V01	2	2	2	2	2	2	2	2	2	2		X
	68	10242022	CUSHION/LCD	RJE500743-004V01	2	2	2	2	2	2	2	2	2	2		X
	69	10236319	CUTTER/PAPER	E441364-003V02	1	1	1	1	1	1	1	1	1	1		C
	70	10284497	TAPE/ADHESIVE	RJE502542-002V01	1	1	1	1	1	1	1	1	1	1		X
	71	10284495	TAPE/ADHESIVE	RJE502542-003V01	2	2	2	2	2	2	2	2	2	2		X
	72	10291887	PANEL/DISPLAY	RJE502606-002V01			1		1							C
	72	10294955	PANEL/DISPLAY	RJE502606-003V01		1		1								C
	72	10294962	PANEL/DISPLAY	RJE502606-005V01								1		1		C
	72	10294883	PANEL/DISPLAY	RJE502606-006V01							1		1			C
	72	10300548	PANEL/DISPLAY	RJE502606-015V01	1											C
	72	10300550	PANEL/DISPLAY	RJE502606-016V01						1						C
6.LOWER CASE BLOCK																
	73	10291880	CASE/LOWER	RJE502598-001V01			1		1							C
	73	10291881	CASE/LOWER	RJE502598-002V01	1	1		1								C
	73	10291882	CASE/LOWER	RJE502598-003V01								1		1		C
	73	10291883	CASE/LOWER	RJE502598-004V01						1	1		1			C
	74	10142488	ROLLER/RP	RJE500850-001V01	1	1	1	1	1	1	1	1	1	1		B
	75	10236328	ROLLER/RP	RJE500121-001V02						1	1	1	1	1		B
	76	10291407	CABLE/FFC JOINER	E441341-014V02	1	1	1	1	1	1	1	1	1	1		B
	77	10292223	HOLDER/IC	RJE502611-001V01	1	1	1	1	1	1	1	1	1	1		C
	78	10276594	PIVOT	RJE502342-001V01								1		1		C
	78	10276595	PIVOT	RJE502342-002V01						1	1		1			C
	79	10282328	CABLE	RJE502396*001V02	1	1	1	1	1	1	1	1	1	1		B
	80	63452238	SPRING/BATTERY	A42606B-1	1	1	1	1	1	1	1	1	1	1		C
	81	10294939	SPRING/BATTERY	RJE502620-001V01	1	1	1	1	1	1	1	1	1	1		C
	82	10294940	SPRING/BATTERY	RJE502622-001V01	1	1	1	1	1	1	1	1	1	1		C
	83	10282081	CABLE/BATTERY	RJE502392*001V02	1	1	1	1	1	1	1	1	1	1		C
	84	10306299	PCB ASSY/E292-COM	TK-RJE502628*001	1	1	1	1	1							A
	84	10306300	PCB ASSY/E292-COM	TK-RJE502628*002						1	1	1	1	1		A
	85	10291846	COVER/CONNECTOR	RJE502339-001V02			1		1			1		1		C
	85	10291847	COVER/CONNECTOR	RJE502339-002V02	1	1		1		1	1		1			C
	86	10291884	COVER/BATTERY	RJE502601-001V01			1		1			1		1		C
	86	10291885	COVER/BATTERY	RJE502601-002V01	1	1		1		1	1		1			C
	87	10248009	CORE/FERRITE	TR-22-14-6.5	1	1	1	1	1	1	1	1	1	1		X
	88	10292218	COVER/CONNECTOR/RAC	RJE502602-001V01			1		1			1		1		C
	88	10292219	COVER/CONNECTOR/RAC	RJE502602-002V01	1	1		1		1	1		1			C
7.MOTOR BLOCK																
	89	10234746	RUBBER/WINDER	RJE502008-001V01	1	1	1	1	1	1	1	1	1	1		C
	90	10282326	CONNECTOR ASSY/MOTOR	RJE502393*001V02	1	1	1	1	1	1	1	1	1	1		C
	91	10264935	MOTOR	WRF-370C-13380	1	1	1	1	1	1	1	1	1	1		B

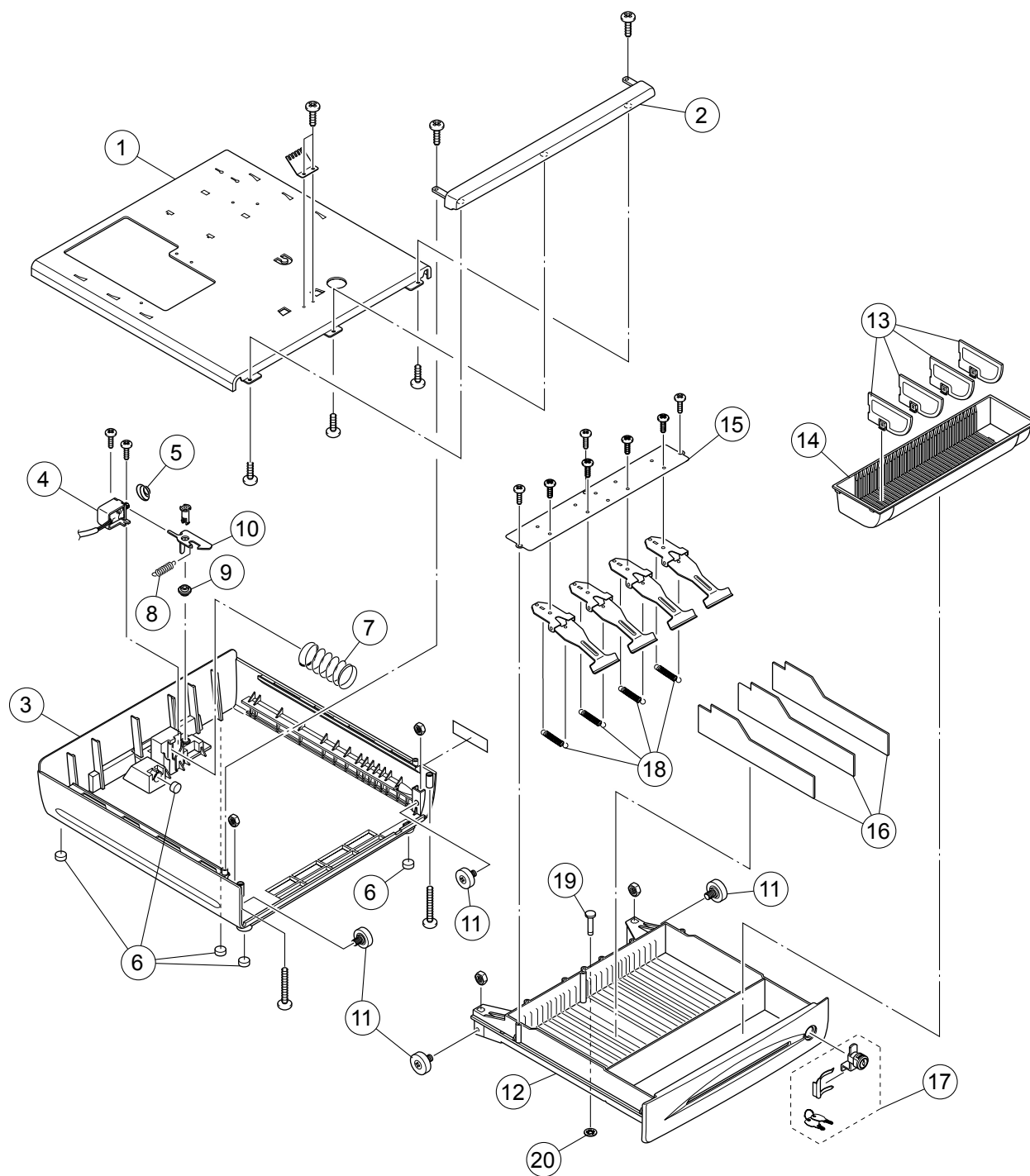
1 PCR-T48S
2 PCR-T470
3 PCR-T480
4 PCR-T470L
5 PCR-T480L

6 PCR-T220S
7 PCR-T2100
8 PCR-T2200
9 PCR-T2100L
10 PCR-T2200L

N	Item	Code No.	Parts Name	Specification	Q										Price code	R
					1	2	3	4	5	6	7	8	9	10		
8.PRINTER BLOCK																
	92	10272412	PRINTER/THERMAL	FTP-628MCL518#67	1	1	1	1	1	2	2	2	2	2		A
	93	10262839	STOPPER	RJE502189-001V01	1	1	1	1	1	2	2	2	2	2		C
	94	10287458	ARM/PLATEN J	RJE502343-001V02	1	1	1	1	1	1	1	1	1	1		C
	95	10272396	ARM/PLATEN R	RJE502344-001V01						1	1	1	1	1		C
	96	10298675	PULLY/WIND	RJE501880-001V02	1	1	1	1	1	1	1	1	1	1		A
	97	10285007	SPOOL/PAPER	RJE502545-001V01	1	1	1	1	1	1	1	1	1	1		A
	98	10294917	COVER/PRINTER	RJE502345-006V01			1		1			1		1		C
	98	10294923	COVER/PRINTER	RJE502345-007V01	1	1		1		1	1			1		C
9.OTHERS																
	99	10276596	AC ADAPTOR	SO1224A	1	1	1	1	1	1	1	1	1	1		C
	100	10254924	KEY SET/MODE SW	RJE500074*002V03	1	1	1	1	1	1	1	1	1	1		C
	101	10300534	CORD/POWER	2166H10C3	1	1	1	1	1	1	1	1	1	1		C
	102	30008016	CORE/FERRITE	TFC-23-11-14	1	1	1	1	1	1	1	1	1	1		X
	103	10127255	CUSHION	RJE500743-001V01	1	1	1	1	1	1	1	1	1	1		X

DRAWER S type

DL-1331/DL-1332/DL-1842

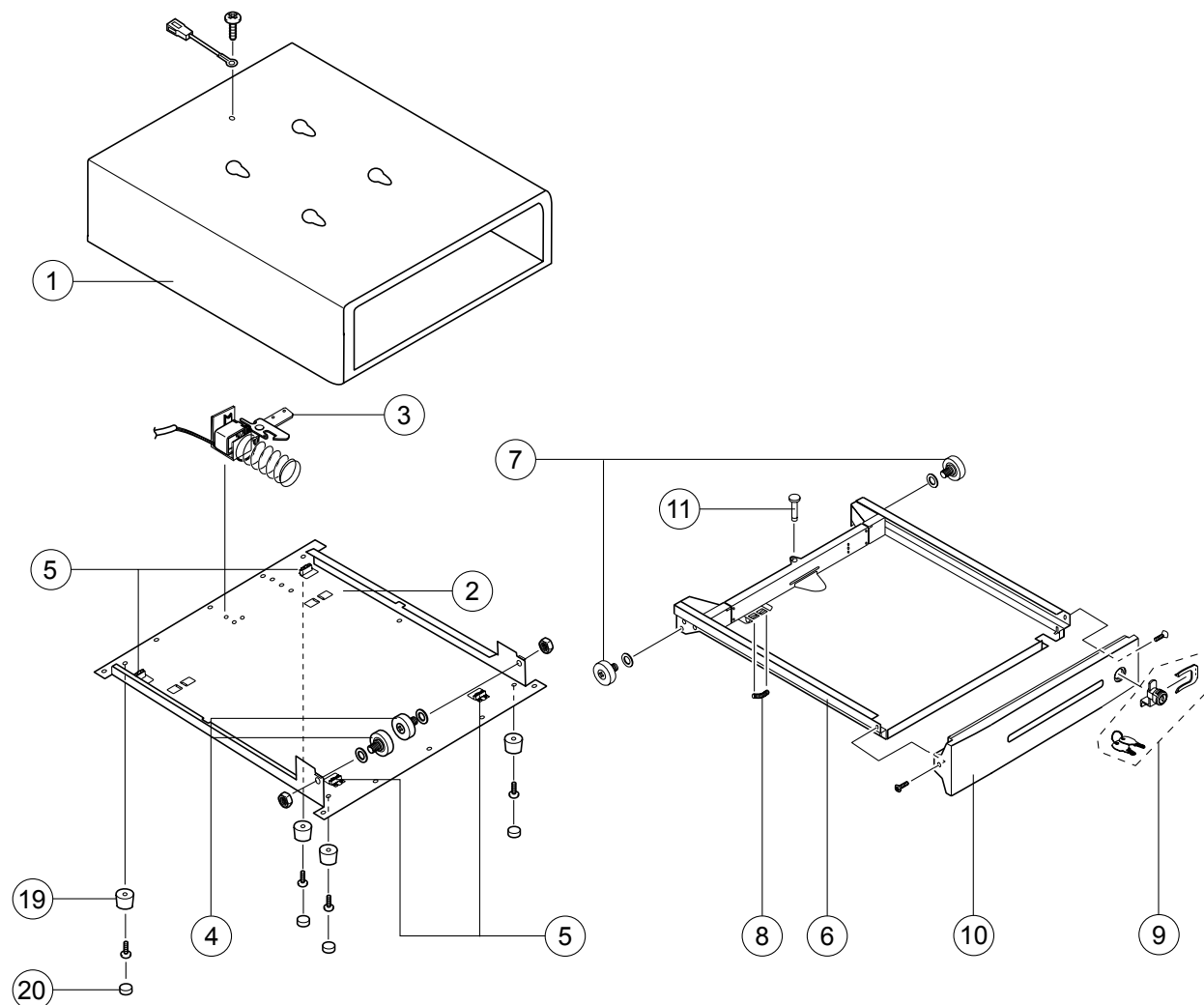
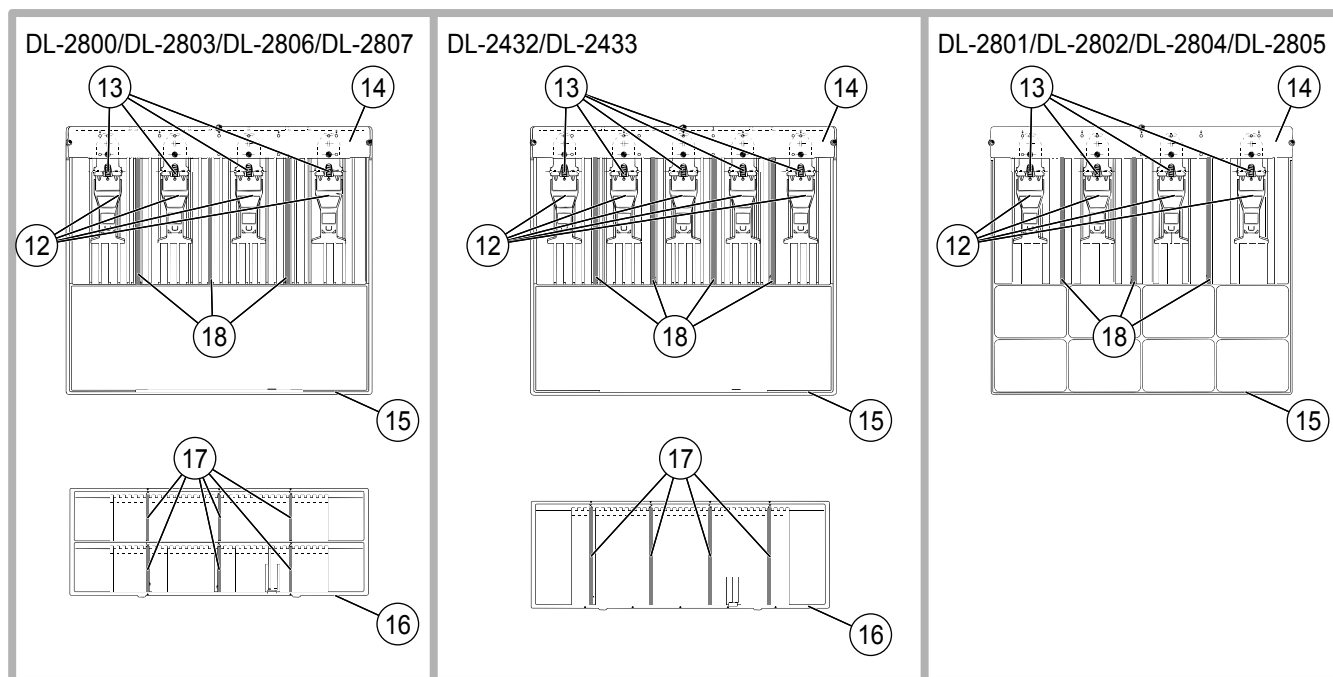


- 1 DL-1331
2 DL-1332
3 DL-1842

N	Item	Code No.	Parts Name	Specification	Q			Price code	R
					1	2	3		
	1	10292185	COVER/TOP	RJE502371-001V03	1		1		X
	1	10292186	COVER/TOP	RJE502371-002V03		1			X
	2	10238193	PLATE/FRONT	RJE501359-002V01	1		1		B
	2	10238194	PLATE/FRONT	RJE501359-003V01		1			B
	3	10284447	CASE/MAIN	RJE500670-002V04	1		1		B
	3	10292206	CASE/MAIN	RJE500670-003V04		1			B
	4	10078787	SUB ASSY/SOLENOID	E341255*1	1	1	1		B
	5	10267909	SPRING/PLUNGER	RJE502245-001V01	1	1	1		C
	6	10167366	RUBBER/PAD	RJE501204-001V01	5	5	5		C
	7	10194207	SPRING/PRESS	E412137-001V02	1	1	1		C
	8	10201068	LOCK/SPRING	RJE500007-001V02	1	1	1		C
	9	10127603	AXIS/LEVER HOOK	RJE500674-001V01	1	1	1		C
	10	10236805	LEVER/HOOK	E341286-001V03	1	1	1		C
	11	55000878	ROLLER/DELRIN	DR-19B2	4	4	4		B
	12	10284448	CASE/BILL COIN	RJE500671-004V03	1	1	1		X
	13	10298552	SEPARATER/COIN	RJE500213-002V03	4	4	4		C
	14	10298558	CASE/COIN	RJE500212-002V04	1	1	1		C
	15	10231347	SUB ASSY/BILL HOLDER	RJE501337*001V03	1	1			X
	15	10231349	SUB ASSY/BILL HOLDER	RJE501337*002V03			1		X
	16	10298553	PLATE/PARTITION	RJE500214-002V03	3	3	2		C
	17	10120527	SUB ASSY/CAM LOCK	CL-16C	1	1	1		C
	18	10276626	SPRING/BILL HOLDER	E441357-001V03	4	4	3		A
	19	10238184	RIVETS/COLD HEADED	T-CRTP-5X26Z3	1	1	1		X
	20	55801452	CS FIX	CSTW-5	1	1	1		X

DRAWER M type

DL-2800/DL-2801/DL-2802/DL-2803/DL-2804/DL-2805/DL-2806/DL-2807/DL-2432/DL-2433



- 1 DL-2800
- 2 DL-2801
- 3 DL-2802
- 4 DL-2803
- 5 DL-2804
- 6 DL-2805
- 7 DL-2806
- 8 DL-2807
- 9 DL-2432
- 10 DL-2433

N	Item	Code No.	Parts Name	Specification	Q										Price code	R
					1	2	3	4	5	6	7	8	9	10		
	1	10304443	SUB ASSY/BOX	RJE502373*001V08	1	1		1	1			1	1			X
	1	10304445	SUB ASSY/BOX	RJE502373*002V08			1			1	1			1		X
	2	10203587	CHASSIS/BOTTOM	RJE501384-001V01	1	1	1	1	1	1	1	1	1	1		X
	3	10122202	LOCK ASSY	RJE500567*003V01				1	1	1	1		1	1		A
	3	10203176	LOCK ASSY	RJE500567*004V01	1	1	1					1				A
	4	55000619	ROLLER/DELRIN	DR-19B1	2	2	2	2	2	2	2	2	2	2		B
	5	10194208	RUBBER/DUMPER	RJE500005-001V02	4	4	4	4	4	4	4	4	4	4		X
	6	10223071	SUB ASSY/DRAWER	E341274*002V04	1	1	1	1	1	1	1	1	1	1		C
	7	55000619	ROLLER/DELRIN	DR-19B1	2	2	2	2	2	2	2	2	2	2		B
	8	10201065	SPRING/EARTH	E412092-001V02	1	1	1	1	1	1	1	1	1	1		C
	9	10203374	LOCK/CYLINDER	CL-23	1	1	1	1	1	1	1	1	1	1		C
	10	10215645	PANEL/FRONT	RJE501385-001V02	1	1		1	1				1			C
	10	10292500	PANEL/FRONT	RJE501385-002V01			1			1	1	1		1		C
	11	52000106	RIVET	5X30	1	1	1	1	1	1	1	1	1	1		X
	12	10200516	BILL COIN CASE ASSY	RJE501368*004V01	1			1			1	1				C
	12	10225530	BILL COIN CASE ASSY	RJE501368*006V01		1	1		1	1						C
	12	10225528	BILL COIN CASE ASSY	RJE501368*007V01									1	1		C
	13	10230104	SUB ASSY/ BILL HOLDER	E341290*002V04	4	4	4	4	4	4	4	4	5	5		A
	14	10276626	SPRING/BILL HOLDER	E441357-001V03	4	4	4	4	4	4	4	4	5	5		A
	15	10194233	PLATE/BILL HOLDER	E240845-001V02	1	1	1	1	1	1	1	1	1	1		X
	16	10298565	CASE/BILL	E140505-002V03	1			1			1	1	1	1		X
	16	10298566	CASE/BILL	RJE500367-002V02		1	1		1	1						X
	17	10298559	CASE/COIN	RJE500217-002V02	1			1			1	1				C
	17	10298560	CASE/COIN	RJE500284-002V02									1	1		C
	18	10298554	SEPARATER/COIN	RJE500216-002V02	6			6			6	6				B
	19	10298555	SEPARATER/BILL	RJE500219-002V02	3	3	3	3	3	3	3	3	4	4		B
	20	10203171	CASE/FOOT RUBBER	RJE500667-001V02	4	4	4	4	4	4	4	4	4	4		X
	21	10167366	RUBBER/FOOT	RJE501204-001V01	4	4	4	4	4	4	4	4	4	4		X

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